

A Complete Bibliography of Lecture Notes in Mathematics (1985–1989)

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Title word cross-reference

$(1 < p \leq \infty)$ [LS87f]. (2) [HR88a]. $(2m - 2)$ [KL88]. $(A_0, A_1)_{\theta_1}$ [Xu87a].
 (α, β) [Pie88a, Fin88a]. $(d \geq 1)$ [Wsc85a]. $(\lambda)^\kappa$ [DM85b]. $(\mathbf{Z}/2)^k$ [Car86b].
 $(n\alpha)$ [Sch85h]. $(\phi^4)_2$ [BM89c]. $(\tau - \lambda)u = f$ [Wei87r]. (x, t) [Lum87, Lum89].
 $(X_1 - X_3, X_2 - X_3)$ [SW87]. 0 [Caz88, Kas86, Pro87]. $0 < p < 1$ [Cle87]. 1
[Bak85a, DD85, Drm87, Eli88, FT88a, Gek86d, HN88, Kos86a, LT89, Pet89a,
Pro87, Tan87, vdG89]. $1/4$ [KS86e]. $1 \leq q < 2$ [Gue86]. 2 [BPPS87, Cam88,
Cat85a, ES87b, Gan85e, Gol86a, HRL89g, Hei85, Hua86, Kan89, KB86, Li86,
LT89, Mil87b, Mur85a, Qui85b, SP89, Shi85, Spe86, Wal85b, Wan86]. $2m - 2$
[Kos88b]. $2m - 3$ [Kos88b]. $2m - 4$ [Kos88b]. 2×2 [Vog88]. 3
[Aso89, BPPS87, BW85c, BG88b, Che86d, Fis86, Gab85, Gu87a, HLM85b,
Kam89b, Kir89c, Lev85c, Mil85c, Néd86, Pet86, Ron86, Sch85b, ST88,
Tur88b, Wan86, Wen85, tDP89, vdW86]. 4
[Bau88a, Don85a, FKV88, Kha88, Kir89l, SS86, Seg85b, Wal85b]. 5
[Ito89, Kir89e, SV85]. $5(4)$ [Cas86]. 5819539783680 [KSX87]. 6 [PH89, Žub88].

7 [Bry85, DM89b]. $[-1, 1]$ [LS87f]. $[0, \infty)$ [Lub85]. $[\lambda]^{<\kappa}$ [Mat89a]. 0_1 [Kuč85].
 $\frac{1}{2}$ [Gri85a]. ${}_3$ [D'O85]. $\binom{k}{m} \rightarrow \ominus_{m-1}$ [Sto85e]. R [Kec88a]. A [GSZ87, Fer88a].
 $A - B = C$ [Fre89]. $A[k]$ [Sto85h]. $A_*^{(k)}$ [Sto85c]. $A_1(\mathbf{C})$ [Ale86]. A_n
 [Con86, Shi86c, Shi86g, Shi86m, Shi86a, Shi86t, Shi86r, Shi86u, Wie86, Shi86n].
 $a_n \rightarrow -1/4$ [Jac86a]. $a_n \rightarrow \infty$ [JJW87, SW86b]. \aleph_0 [Bus88b]. \aleph_1 [Kec88c]. α
 [DM85c, GN88, Ski86]. B [CAXD86g, Hej88]. $\bar{\mu}$ [Lev88]. $\bar{\partial}$ [BS87b, Ran87].
 ∂_b [Chr89, Mai88]. $\bar{\partial}u = f$ [Ama87]. BC_p [Deb87]. β [DM85c]. BG [DW88].
 $\text{mod } 2$ [KI87]. $\text{mod } p$ [McC86a]. bP_m [Sto85a]. BS^3 [DMW87]. BZ/pZ [DW88].
 C [BDT87b, Gek86g, Shi86h, San87]. $C(S \times T)$ [LC85h]. C^*
 [Ara85, AB85, BDE85, Bra86g, Eva85a, Eva85b, Goo85, HO85, Lud88,
 Wan87c, Wan87g, dlH85]. $C^*(G)$ [Pat88]. c^* [Gro86b]. C^0 [Shi87a]. C^2
 [Lev85b, Rea86]. C^∞ [Lun86a, Miz88, jQxQ88]. C^k [LS87d]. C^n
 [CS87b, Rea86, Sae87]. C^ω [Shi87b, Shi87f]. C^r [Kif88a, Shi87c]. C_0
 [Tim88, AOR88]. C_∞ [Sch85e]. $c_{n+p}/c_n \rightarrow c$ [vdB87c]. C_o [Sam86, AS85f].
 $C_o(X)$ [Are86a, Gre86b, Gre86d, NS86c]. cat^n [Gil87]. $\chi \rightarrow +\infty$
 [IN86k, IN86j]. $\chi \rightarrow -\infty$ [IN86j]. $CP^2 \#(-CP^2)$ [Kir89b]. CP^n [BDK87]. D
 [CL85, Wsc85a]. $D(f)$ [Pre88m]. $D_2(k)$ [Cau86b]. D_n [Con86]. δ [Coo89].
 $\text{Diff}^\Omega(X \times \mathbf{R}^+, \text{rel } X \times [0])$ [CM89a]. E [Sla85a, Con89]. E^3 [Yan89]. E_1
 [Sto85h]. E_2 [CGMM87]. E_6 [Don85b]. E_7 [Don85c]. E_8 [Don85d]. $E_{np}(W)$
 [LS88o]. ℓ [JM85]. ℓ^P [Nei85, KK85]. ℓ_1 [ADR85]. ℓ_1^n [MS86h]. ℓ_p^m [MS86h].
 $\ell_p^m \rightarrow \ell_q^m$ [Mak88]. ℓ_p^n [BT87b, MS86d]. ℓ_r^n [Sch87d]. ϵ [LM89b, Sch89c]. η
 [GS89, Jin88a]. F [CL85, LM88a, Met85, Raw85, Shi88b, Tay88, Fut88c,
 Fut88b, Fut88d, Fut88e, Fut88h]. $f^{(k)}(\sigma; \tau_i)$ [Wid85a]. F^∞ [BR88]. F_4
 [Don85e]. F_p [CC88]. F_q [Lus87]. G [Ass89, CC85a, Kat86b, Kaw89, KK89b,
 Liu88, Pat88, Ric87, DR89b, MR85a, PM89]. $G^1(G)$ [Rei89e, Rei89j]. G_0
 [Lor88]. G_2 [Bry85, Don85f]. $G_{n,k}$ [Lev89c, Lev89e, Lev89l]. $\text{gal } L/K$
 [Tho86b]. Γ [Fra86, Kož86]. Γ_0 [Shi89]. $\Gamma_2 \geq 0$ [Bak85c, Bak85b]. $\Gamma_o(N)$
 [Kno85]. $GL(n, F_P)$ [Woo85]. GL_2 [Kai87c, Kai87b]. GL_n [Kai87a, Kai87c].
 $G \times GL(n)$ [GPS87a]. H [Fin88c, Kir89q, Mül87k, AD85b, Fou88]. $H(\text{curl})$
 [Néd86]. $H(\text{div})$ [Néd86]. $H^*(BG; Z_p)$ [DLS85]. H^1
 [Fer86, Jan89, MS89c, Oro89]. H^3 [Ma89]. H^P [Cle87, Fef88, Ill88]. H'
 [Jac85c]. $H_0 \times H_1$ [Ped85]. $H_2(A, \partial A) = 0$ [Sch85b]. H_∞
 [Bru86a, Bru86b, Bru86c, BMMS86, May86a, McC86b, Ste86a]. H_∞^d
 [McC86c]. H_n [Ste86a]. $H_O^\infty(D)$ [AAGV85]. \hat{J} [Ran86]. $\text{Hilb}^3 \mathbf{P}^2$ [EL88].
 $\text{Hom}_{u_p}(\mathbf{H}^*V)$ [Zar85]. $h_2 \lim F$ [Woj87]. I^* [Wt87d, Wt87a, Wt87b]. II_1
 [Cho85a]. $\Im J$ [CP89c].
 $\int_0^\infty (\sin(\frac{\pi}{4} + \theta)e^{-\theta y} + \sin(\frac{\pi}{4} - \theta)e^{\theta y})\pi(x, y) dy = \sqrt{2} \cosh \theta x$ [McG88b].
 $\int_X |f|^{2\lambda} \square$ [Bar86b]. IP^3 [BE87]. $\text{IP}_{(2)}^m$ [Le 86a]. IR^3 [Oza85]. IR^n [MTJ87]. J
 [MT87, Sto85e]. J^* [Mes85]. K [AS85h, Cle88, FT87a, Fre87, Gai88a, Hah86,
 Heg88, Hod89, JV85, Kuh89, McC85b, Mur85b, PW85b, Per85, Phi87b,
 Phi87c, Phi87f, Ric86, Vog85, Wal85a, McC86a, Nat89b]. $K(a_n/1)$
 [Jac86a, JT86, Jac86b, JJW87, SW86b]. $K(\pi, l)$ [Dav85b]. $K + K$ [Fre87]. $K3$
 [Bar85c, Mar89b, Hoy87, PS89a]. $k = n + j + 1/2$ [Wei86d]. $k[X]$ [Hel89].

$K^+ - p$ [AC87]. K_{-I} [MR89a]. K_3 [Sil89f]. K_4 [Con89]. κ [She86j]. KK [Phi87e]. $K \subset Q(\mu_n)$ [Tho86b]. L [And87a, CS85a, Dur87, Ebe86, GPSR87, GPS87a, HS85, Mor86f, PSR87, Ral87c, Sun86, Ral87d]. $L(n)$ [Kuh87]. L^1 [Di 86, Krá89, Ros88a]. $L^1(G)$ [Joh88a]. L^2 [And88, BW85a, CKS87a, Jaj88, Mü187a, Mü187h, Mü188, Pat87, Sul86]. $L^2(\Gamma_n/G)$ [Wei86c]. $L^2(R^n)$ [DR87]. l^∞ [AS85f]. $L^\infty(G)$ [Joh88a]. L^p [Cie88, Cec85, Gue85, Nag87, Sil88b]. L^q [Gue86]. L_1 [FFR88, LC85a]. L_2 [Jaj89a, Wei87a]. L_N^∞ [Bou85b]. L_p [AA89, Bas87, BKT89, GZ89, LS87f, LS88p, Mas88b]. $L_P(\mu)$ [Ill88]. $L_p(X)$ [HLR85]. $L_s^p(\mathbf{R}^2)$ [Pon88]. Λ [Sin87]. λ_1 [BBD88]. LC^n [Dra87b]. $\{t_n\}_{n=1}^\infty$ [CS89e]. $l \leq p < +\infty$ [Gue85]. M [BT86a, Coo86b, GH85a, Mei86b, She86m, Fin88a, KL88, Kos88b, Odi85, Sch87c]. $M(\rho, s)$ [Wei86e]. $M(T)$ [Que87a]. $\text{map}_*(BS^3, BS^3)$ [DM87b]. \mathbf{A}^n [Pop87b]. \mathbf{C} [Lev89a, Pou88]. \mathbf{C}^2 [Dem86b]. \mathbf{C}^N [Kor87a, Cou89, D'A87a, Oka85]. \mathbf{C}^ν [Éca85]. \mathbf{C}^P [Szp86, Szp86]. \mathbf{G}_a [Pop87b]. \mathbf{P} [HS86]. \mathbf{P}^1 [SS86]. \mathbf{P}^3 [CO89, Idà89, Rao87]. \mathbf{P}_2 [Dre87, HH86]. \mathbf{R}^2 [Lev85c]. \mathbf{R}^3 [BC86b, Dum85b, Tro88, Cam88]. \mathbf{R}^4 [Lev85c, Lev85e]. \mathbf{R}^d [Let89, Wsc85d]. \mathbf{R}^k [Mil87a]. \mathbf{R}^n [Els85c, Gor88]. $\mathbf{R}P^3$ [Kha88]. \mathbf{Z} [AR87, CC88]. \mathbf{Z}/p [Lew88b]. \mathbf{Z}_2 [Mas86b]. \mathcal{E} [AA86]. $\mathcal{R} \setminus$ [Bou87d, Bou87e]. μ [Sch88k, LS87b]. N [Aga86a, BT86a, LS88l, Bar86e, BCZ87, Cho89a, Düm85a, GLM85, Gil87, MS86d, MP89b, Shi86b, Shi86n]. $n > 2$ [Shi86c, Wei87d]. n^{th} [BDT87a]. N_1 [Sch89d]. N_λ [Shi86p, Shi86q]. $\text{no}(M)$ [She86m]. $n \times n$ [For87]. O [Szp86]. $O(n^3L)$ [Roo89]. $\omega^2 S^{2n+1}$ [CM87d]. ω_1 [Har87b]. $\omega_4^{\text{so}} = Z$ [Kir89a]. $\omega_4^{\text{spin}} = Z$ [Kir89a]. $\omega U(n)$ [Cra87]. P [AK87, Sch89g, BB88b, Dra87a, Ele87, GZ89, Gou88c, KQ88, Mad89, Not88, RW85, Shi86v, Vig89, Wil86a]. $p = 2$ [LS88f]. $p > 0$ [Smi86c]. P^2 [Mar86c, ES87b, JM86a]. P^3 [APS89, Her89]. P^4 [vGW89]. P^n [Kle89]. p' [Wil86a]. P^v [Sch89e]. p_1 [Lev85h]. $p_1(M) = 3\sigma(M)$ [Kir89a]. $P_\kappa \lambda$ [CP89a, Zwi89]. ∂ [Sto85e]. ∂_b [Ber87c]. $\partial: a_m^{(k)} \rightarrow \ominus_{m-1}$ [Sto85a]. $p \geq 1$ [BT87b]. ϕ [FJ88]. Π [Gri85a, Kuč85]. π_* [Sto85n]. $\pi_*(\omega S) \otimes \mathbf{Q}$ [Hal86, FHTT86]. $\Pi_{3,2}$ [LV86a]. $\Pi_{m,2}$ [Le 86b]. pq [Bar87c]. $q = b + 1$ [Gan85b]. Q_m [tC87]. QX [McC86a]. R [Fun88, Njå88]. R^2 [Bar85d, LX89]. R^4 [Kir89h]. R^6 [Kir89]. R^d [KM88]. R^{n+k} [Lev89f]. R_K [Han87f, Han87g]. R_n [Wan87a]. $R\Gamma$ [Lüc89a]. $rmGL_2$ [Kai87c]. $rmGL_n$ [Kai87c]. $\text{RO}(G)$ [Lew88b]. S [Abe87g, Abe87h, Abe87c, Ler86, Seg85b, AM88c, Kaw89]. $S + 1$ [Dra85]. S^1 [Dyl88, Hat86, Jaw86, Kam89a, LX89, Pup88]. $S^2 \times S^2$ [Kob87]. S^3 [Jaw86]. S^k [Bré89b]. S^{n-1} [MS86k]. S_n [Wan87a]. $S_{p,q}$ [CAXD86u]. $\sigma^{-1}(\lambda)$ [Shi86k, Shi86a, Shi86t, Shi86q]. Σ_1 [SW89b]. Σ_2 [Cho85b, Cho89b]. SK_1 [Son85]. $SL(2, C)$ [Aso89]. $SL(2, \mathbf{C})$ [Bar85b]. $SL(3, p^n)$ [cY86]. $\text{sl}(n, D)$ [Sel88g]. $\text{Spec}(R)$ [Mum88a]. Sq^i [Woo87b]. $SU(3, p^n)$ [cY86]. $\sum_{n=0}^\infty c_n \frac{z^n}{n!}$, $\sum_{n=0}^\infty c_n z^n$ and $\sum_{n=0c_n n! z^n}$ [vdB87c, vdB87b]. $\sum_{n \leq NB_2(\{n\alpha\})}$ [Sch87i]. T [CS89b, CS89c, Cat85b, JW89, Val86a]. T_1 [FHJW89]. T^K [Cat85b]. T_0 [Wei87g, Wei87q, Wei87t]. T_2 [He89]. T_{Lie}^3 [Kir89b]. T_M [CS89f]. $T_{m,n}$

[Wer87b]. τ [Dec88, Shi86]. θ [CDMS89]. \tilde{A}_n [Shi86m]. \tilde{A}_{n-1} [Shi86c]. top^N [HJ87a]. U [Gou88b]. $U(n)$ [Cra87]. $U(p, q)/U(p) \times U(q)$ [Ank88]. $u' = AK * u + BM * u$ [Pug86]. $U_{n,R}(x)$ [LS88g]. v_p [KMM87]. UV^k [Fer87]. V [Ala88]. $v + 2$ [Sch89e]. V_a [BP88b]. v_p [PX87]. ϱ [Wei87f]. W [CAXD86g]. $W(4, 2, 2)$ [Gol86a]. $W(m: n)$ [Wil89]. W^* [Pas89]. w^* [Gro86d, Gro86b, Gro86e]. W^+ [MvR88]. $X^a + Y^b + Z^c = 0$ [Bar86d]. X_1 [SW87]. $x_1^5 + x_2^{11}$ [LP88f]. X_2 [SW87]. X_3 [SW87]. X_p^m [Sch87d]. $X_{pq}^\mu(\omega, \ell)$ [Shi88a]. Ξ [Fis87c]. $\xi(w, k)$ [Shi86p]. Z [Woj87]. Z^d [Sul86]. Z_{15} [Kor88]. Z_∞ [Poh89a]. $\zeta(3)$ [PS89a].

* [LL85, Phi87c, Lev89a]. ***-action** [Lev89a]. ***-algebras** [Phi87c].

- [Con89, DM85c, Vog88, Bar85c, Kaw89]. **-3** [Per85]. **-actions** [Car86b, Hat86, Kat86b, Ped85]. **-adequate** [Fou88]. **-adic** [Gou88c, KQ88, Dur87]. **-adique** [Vig89]. **-algebra** [Sin87]. **-algebras** [Gro86b, Gro86e, Eva85a, Wan87g, AB85, BDE85, Bra86g, Eva85b, Goo85, Gro86d, HO85, Mes85, Pas89, Wan87c, dlH85]. **-algèbres** [GSZ87]. **-amenability** [JV85]. **-analytic** [Pou88]. **-and** [Gro86b]. **-anneaux** [CL85, Val86a]. **-Arithmetic** [Abe87c, Abe87g, Abe87h]. **-block** [HN88, Wil86a]. **-blocks** [Shi86v]. **-bound** [lS87d]. **-bounded** [Nag87]. **-Calderón** [CDMS89]. **-classes** [Kuč85]. **-cobordism** [AM88c, Kaw89, Kir89q]. **-codimensional** [DD85]. **-cohomology** [Pat87]. **-collection** [SW89b]. **-compacta** [Dra87b]. **-complete** [Bus88b]. **-complexes** [Qui85b]. **-connected** [DM89b, FT88a]. **-connectedness** [Li86]. **-convergence** [Fra86]. **-Convexity** [Ros88a]. **-core** [Wil86a]. **-cube** [Gil87]. **-D** [BPPS87]. **-decay** [Ski86]. **-degree** [Dyl88]. **-degrees** [Odi85]. **-dense** [Lud88]. **-dérivations** [Ler86]. **-Dimensional** [MS86d, Eli88, Gu87a, MP89b, Seg85b, Tan87, Ric86]. **-dimensions** [BCZ87]. **-dissipative** [Sch87c]. **-distance** [Fer88a]. **-dual** [San87]. **-dynamical** [Ara85]. **-endomorphism** [Bar85d]. **-equivalent** [Fer87]. **-factors** [Ral87d, Cho85a]. **-fold** [BW85c]. **-folds** [Pet86]. **-Folgen** [Pro87]. **-Fraction** [Coo89, AK87, JW89]. **-fractions** [Ran86]. **-free** [Nat89b, Con89]. **-freeness** [She86i, Phi87b, Phi87f]. **-function** [Jin88a]. **-Functions** [GPSR87, Ral87c, And87a, CC85a, GPS87a, HS85, Mor86f, PSR87, Sun86]. **-funktion** [Sch85e]. **-Gleichverteilung** [BDT87b]. **-gonal** [Sch89g]. **-graded** [AR87, Lew88b]. **-graph** [Fin88c]. **-group** [Gil87]. **-groupoids** [Cho89a]. **-groups** [Hej88, CS85a]. **-handlebodies** [KB86]. **-Heights** [Mur85a]. **-Index** [Mül87h, Mül88, Mül87a]. **-infinitely** [GH85a]. **-injectives** [LS87b]. **-invariant** [Shi86l]. **-invariants** [Lev88]. **-kernels** [GLM85]. **-knots** [Kan89]. **-Komponente** [Sto85a, Sto85e]. **-konkavem** [Kos86a]. **-level** [Düm85a]. **-Lévy** [Mad89]. **-like** [Har87b]. **-local** [Hua86]. **-logic** [Gri85a]. **-manifold** [Bau88a, ST88]. **-Manifolds** [Don85a, Kir89c, Lev85c, Sch85b, Gab85, HLM85b, KL88, Kam89b, Kir89e,

Kir89l, Kos88b, Mil85c, Tur88b, Žub88, Kam89a]. **-maps** [Dyl88].
-martingales [BW85a]. **-matrix** [Seg85b]. **-measure**
 [Wt87d, Wt87a, Wt87b]. **-modules** [Han87g, Lüc89a]. **-Moduli** [Dec88].
-Neumann [BS87b, Ran87]. **-normal** [tC87]. **-norms** [Kif88a]. **-nuclear**
 [Ele87]. **-PADF** [Fin88a]. **-paramètres** [Wsc85a]. **-part** [Pro87]. **-pinched**
 [KS86e]. **-polynomial** [LM88a]. **-power** [Shi86v]. **-products** [GS89].
-property [Shi88b]. **-rank** [Gol86a]. **-recursion** [DM85c, Sla85a].
-Regularized [LM89b]. **-semi-parfaits** [CL85]. **-semigroups**
 [He89, Tim88]. **-sequences** [Pro87]. **-sets** [Liu88]. **-signature** [KK89b].
-singularities [jQxQ88]. **-solutions** [Wei87a]. **-space** [Wen85]. **-spaces**
 [Ass89, JM85, Mil87b, AA89, Jaj89a]. **-sphere** [Aso89, BG88b, FKV88].
-stable [GZ89, RW85, Ric87]. **-strictly** [KMM87]. **-strongly** [GN88].
-structures [PM89, Raw85]. **-subgroups** [Ebe86]. **-summable** [BB88b].
-surfaces [PS89a]. **-symmetry** [Pup88]. **-tables** [Coo86b]. **-Teilfolgen**
 [Pro87]. **-Term** [Sto85h]. **-th** [Bar86e, Fin88a]. **-théorie** [Gai88a]. **-theories**
 [D'O85, Kuh89]. **-theory** [McC86a, FT87a, Hah86, Heg88, Hod89, McC85b,
 Mur85b, PW85b, Phi87c, Phi87e, Vog85, Wal85a]. **-toral** [Not88]. **-torsion**
 [Cat85a]. **-transform** [FJ88]. **-trees** [Sch89d]. **-twistor** [Raw85]. **-valued**
 [Bré89b]. **-variétés** [Ala88]. **-version** [LC85a].

13th [Ste89b]. **14th** [GPR87]. **16th** [CQ85, Rou88]. **17th** [SSS86]. **1956**
 [Hop89a]. **1982** [Law85, LS86a]. **1982/83** [JY85]. **1982/84** [Law85]. **1983**
 [ACSC85, AIJH85, AMSV85, Bre85, CAWXD85, Di 85, DH85b, GWW85,
 LDS86, RLQ85, Rol85]. **1983/1984** [LDS86]. **1983/84** [AY85]. **1984**
 [AvW85, ABS86, AH85a, All85a, AW86b, BDH⁺85, BBT85, BDM⁺85,
 Com85, CDG86, DGM86a, DGM86b, DFZ85, EMS85, FGHS85, Giu85,
 Gra85a, Hen86b, Hen86c, HSS85, KZ85b, KS85a, LRT85, RR85, Ros86a,
 SJ85, Smi85b, Tau86c, Tua86, Tur85]. **1984/85** [AY86]. **1985**
 [ABS87, Bal86b, BS86, CDV87, CKGP87, DT87, FP86, FO86, FHMM86,
 GPR87, GPS87b, GZ87b, Gra86b, GBB87, HT86, Han87j, Hey86, IH86, JP86,
 KPZ87, LL86, LP86, NFM86, Nor86a, SSS86, Thr86, VZ86, vO86]. **1986**
 [CGW87, Tal86a]. **1st** [ABS86, Giu85, LP86, Tal86a].

2nd [ACSC85, ABS87, FP86, Gra85a, HT86, NFM86].

36ème [Mal85c]. **37ème** [Mal86b]. **3rd** [Bre85, Ros86a].

4th [All85a].

6th [Di 85].

82 [Hla85d]. **84** [CCCN85]. **85** [CCCN87]. **86** [Hla87b]. **8th** [KZ85b].

9th [KPZ87].

A-posteriori [Ban86]. **A-Priori** [DZ85]. **A.** [ABB85, Par86c]. **A.C.C.** [EK88b]. **Aarhus** [Bal86b]. **Abbildungen** [Kos86a]. **Abdelkader** [Dem87a]. **abelian** [And86a, Asa86, Bou88d, CGC88, HS85, She86i, Sil89b, Asa89, Atz88, Bar89a, Bar87c, CT88, Goo85, IMW88, Jag85, Kat89a, Lau87b, LM85, Mas87, M6h87, Muk89, SC85, Sch88b, Sch89e, Tre87, Wu86, vdG89]. **abéliennes** [Gil89b]. **abelschen** [Fal85]. **Abhyankar** [tDP89]. **Ableitungen** [Wei86a]. **Ablowitz** [IN86j]. **above** [KS86c, LW88]. **absence** [Pic85, Xu87b]. **absolute** [Yor85a]. **Absolute** [Cha85a, Jan86a, KS86b, Shi85, Bru87a, Jur89, 0sh87, Str89a]. **absolutely** [Lub85, Wei87i]. **absorption** [Arv85, vW85]. **absorptive** [Bar85d].

Abstract [Fra86, AT86, Bai89, KÜ88, Lab86a, Lun86a, Mil88a, Oll85d, Sch89b, She87c].

acceleration [JJW87, Sko87, VSP89]. **account** [Lew88a]. **accuracy** [Kor87c]. **accurate** [Spe86]. **across** [Bel89b]. **Actes** [FHMM86]. **Action** [Ale86, CAXD86a, BN85, Eck87, Ker86, LP88g, Lev89a, Ocn85g, Ocn85h, Ocn85i, Woo87b]. **Actions** [Bra86g, OD85a, Ocn85a, AG89, AP85b, Aso89, Ass85, AV85, Ass86a, Bea88b, BR88, Car86b, Cha88, FH89, Goo85, GM87b, Hat86, Hat89, Jaw86, JV85, Kam85, Kam89b, Kat86b, Lev89f, Lew88b, LV85, Mil87a, MS85, Ped85, Pop87b, Ulr88d]. **acts** [FK88, Lex88]. **acyclic** [Koz86].

AD [Kec88a, Jac88a, Kec88a]. **Adams** [Sto85g, Sto85h, Bru86a, CGMM87, Dav87d, DLS85, Sch87e, Sto85b].

Adams-Spektralsequenz [Sto85g, Sto85h, Sto85b]. **adapted** [CH85].

adaptive [Fuc86, Hah89, Mét86, Ban86]. **ADD** [Ste85c]. **addenda** [Jos87a].

Addendum [San86, dlP89]. **Additional** [Bra86f, MS86c, Kar89, Par86d, Pie89b]. **Additive** [FT87a, Los85b, Nat89a, All85b, All89, ESS85, EN87, FS88b]. **additively** [HvL88]. **additives** [Bia89]. **adelic** [Rei89a]. **adequate** [Fou88]. **Adiabatic** [CLS85]. **adic** [Dur87, Gou88c, KQ88]. **adique** [Vig89]. **adjoint** [BDT87a, Bri86, GG85, Wei87g, Wei87j, Wei87q, Wei87t, Wid85f, Wid85g].

adjointness [Ngu85]. **adjunction** [Som86]. **admettent** [Reu86a].

Admissibility [Sle87]. **Admissible** [MC89, Shi86b]. **Advanced** [PIT88a, Sol86]. **aerodynamics** [BPPS87]. **AF** [Phi87a]. **Affine** [Li89a, Shi86j, Shi87c, Shi87b, Tit86, BK88a, Bar85b, DM89a, Lor86, Mum88u, RS85a, Shi86c, Shi86g, Shi86m, Shi86n, Shi86t, Shi86u, Sim89, Smi86c, Wu86].

Affinsphären [Sch85k]. **after** [CAXD86h]. **again** [BR86, Kne89c]. **Age** [Bos86]. **Aggregate** [Kiw85a]. **aggregation** [Man86a]. **Ahlfors** [Hay88].

aided [Sho87]. **aircraft** [Jam85]. **Albanese** [Hai87a]. **aléatoire** [Geb86].

Aléatoires [lbr85, Wsc85e, Alt89, Bou86a, Car86d, Fer89]. **aleph** [Ara88].

aleph-nought-continuous [Ara88]. **Alexander** [Lis87]. **Algebra** [Com85, AH86, BR86, Bor87a, Bou87c, Bru87a, Bry89a, Car86b, Cib86, CD87, Don85i, Don85j, Don85m, Dra85, Dra88, FFR88, Gla85, GvW89, HL88a, HR86, Hüb89b, Hud89, Jaj88, Jaj89b, Jan87, Lam88, Lud88, Lus87, Mc 87, Mer86, Mic89b, MvR88, Mum88v, Que87a, Qui85a, Rei89e, Rei89j, Ric87, Roo88, Ros85a, Ser89, She86o, Sin87, Sta88b, Str89a, Ton87b, Van86a,

Var89, VP88, Wil89, Roo86b]. **Algebraic** [BS89a, BV89, Bui86c, Don85n, Gra86b, Hah86, Hud88, Kow85, Mor86a, Net88a, Roo86b, Sch88c, Sil89a, Wal85a, AM88b, AM88e, AM88g, BK88a, Bei87a, BS89b, BS89d, Cat88, CGC88, Che86c, D'A85a, Dic85, DR86, Dub88, Ger89, GM87b, HRL89d, HRL89e, HRL89h, HH85, Kol86, Mor88, MS86u, Mor86b, Mum88q, Mur85b, OP89, Pat87, PW85b, Ran85, Sch88e, Sch88g, Shi86c, Sil89c, Sil89d, Spr86, SY89, Swe85, Van86a, Vog85, Web88, tW87a, vdE87, vW86, CAWXD85, RLQ85, Smi85b]. **Algebraically** [LP87b, Lüc89b, Lud88]. **Algebras** [AMSV85, BV88a, Die86c, DGM86a, DGM86b, Dür86c, Eva85a, Jar85e, Wan87g, vEdG85a, Abe87b, AP85a, AC85, AL86, AB85, Bae86, Bea86a, BMS87, BGO⁺89, Ber86i, Bou85a, BDE85, Bra86g, BP88d, Cec88, Cec89, Ced88, Con86, DH86, DV86, Dic88, Die86a, Die86b, Die86d, DR88a, Dop85, DLS86, Dür86b, EK88a, Eld89, Est86, Eva85b, FT87b, FdlP86, Fis86, FR85, FGL86, Gei86, GL87, Gla89a, Goo85, Gro86b, Gro86c, Gro86d, Gro86e, HO85, Hap86, Hap89, Hen89a, Hen89b, HS87d, Iar85, Jaj85a, Jaj85b, Jaj85e, Jar85c, Jar85d, Jez85, Jøn85, Kai87c, KN89, Kis85, Kos86b, KS88c, Kra88c, Kum85, Lan85a, LL85, Le 88a, Len86, Lor86, Luc89f, Mad85, McN85, MMT87, Mer86, Mes85, Ocn85a, Ocn85k, Pas89, Pet89h, Phi87a, Phi87c, Phi87i, Qua88b, Reg88, Rei87b, Rei89e]. **algebras** [Row89, Sel86, Sel88c, Sel88e, Sel88d, Sel88h, Sel88i, Sel88j, Sel89a, SW89a, She86e, She86l, Shi86e, Smi86b, Smi87, TW86, Tac86, Vos86b, Wan87c, Zel88, dS87, dP86, dlH85]. **Algèbre** [Ser89, Fer86, Lev85a, Mal88]. **Algèbres** [AS89b, Boh88, Kai87a, Kai87c, AL88b, Car89a, Cau86a, Cle88, Cru87, Deh89, GSZ87, Reu86a]. **algébrique** [Gui88a, Spr85]. **algébriques** [Ler86]. **Algebroid** [Sto87b]. **algorithm** [Arb89, BSK87b, Cha86a, GMW87, LC85c, LC85b, LC85h, LC85a, Noc86, Shi86h]. **Algorithmen** [KPT87]. **algorithmic** [Che85, GKL89]. **Algorithms** [FdlP86, Ste86b, BT86b, BS89e, Gol86b, Jam86, Kan87, KM86b, Lal88, Mét86, MW86, Ste85a, Via89]. **Alle** [Los85a]. **allocation** [DM87a]. **alloys** [Eng86]. **Almansi** [Ieş87e]. **Almost** [AOP86, AR87, BL89b, BK88b, DP85, Gue86, Hat86, Jaj85a, KRT86, LB86, MS86e, MS86d, Rog87, AU86, Ber88c, BG88b, BKS87, CG86a, KS86e, Mis85, MB85, Ray88, Sch86k, She87b]. **along** [Dau88f, Lau87a, Lin86b, Sch89e]. **alternating** [LC85c]. **alternative** [Anc87, EK88b, Wei87r]. **altruistic** [Kim86]. **amenability** [JV85]. **Amenable** [Ger88a, Ocn85b, LV85, Ocn85a, Oll85a, Oll85e, Pat88]. **American** [Di 85]. **among** [Dav87a, Tho85g]. **amorphous** [Ker85]. **Ampère** [Che88b, Fuk86b, Tru86, Won87]. **amplifier** [IN86c]. **amplitude** [AC87, Bac89, Yaj85b]. **amplitude-** [Yaj85b]. **analog** [Ani86, Kag89a]. **analogue** [Die88a, GZ86b]. **Analogues** [KL87b, Sun87, VJ85]. **Analyse** [Bon89, KPT87, Yan87]. **Analysis** [AS85i, BGV86, BKK87, CDV87, DF86b, FGHS85, Gra86b, Hen86b, Hla85d, Hla87b, LP86, LMZ86j, NR85c, Poh89e, jQxQ88, Rao89, Sch86i, SS85b, Tur85, vdB87f, AC87, Bea88a, Bri86, Brü85, Bur86, Cha86c, Dau87, Dia88, Eke86b, Fef88, Frö86, GMSW86, Hel88e, HM88a, IN86e, JMN86, Lin86b, Mac88b,

Maw88, MS86b, NR85a, NR85b, Oll85h, Pie88b, Pie89a, Poh89f, Pre88l, Rav85, Rei88d, Rei89c, Sch85c, Sol86, Tay86, Üst87, Wai89, Wak87, Zol86].

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[AK87, Jos88, Kan86a, Mor86a, Mur88a, Wih85, AFP87, Bal86c, Bin89a, BR85c, CS88a, DGR87, Éca85, Fer85c, God87a, GR88, GR85k, Hög89, JTW89, Jar89, Jon89, KZ87, Kal86b, Lau87a, Lie87, Pau86, Paw85, Pou88, Riv88, Rod87b, Rod87c, Shi88d, Ton87b, Wal87, Wie87, vEKM89, Thr86].

Analytical [Ado87, Mor86b, Nov88e, AD85a, Cha86c]. **Analyticity**

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Anfangswertproblem [Vog87a]. **anharmonic** [IN86n]. **Anisotropic**

[Ieş87a]. **anneau** [Adj87, Kra87b]. **Anneaux**

[Rou87, Alf86, Cau88, CL85, Ler86, Les88, Val86a]. **Année** [Mal85c, Mal86b].

Années [LDS86]. **annulateurs** [Kra87b]. **Anosov** [Ghy88, Lon85].

antichains [Hig85]. **anticipative** [DZ89b]. **Antisymétriques** [Yan88a].

Antoine [Bor86]. **Antwerp** [vO86]. **Anwendungen** [Col86]. **Apéry**

[PS89a]. **appear** [Tho86b]. **Appendix**

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[Aga85a, Jeu85, Lan88a, Ara87, BH86b, Bri87, Deh89, El 87, Fan88, FT88b, Gon88, Gri85a, Grü88b, Gyö85, Hei86, MK88, MN88a, McC89, MP88, Mou88, NR85e, Pic88, Pic87, Rof85, Sil89a, iS88, Vog88, dBJ87]. **Applications**

[AvW85, Aga85d, Bla89, BGV86, BDM⁺85, Bro89, BMMS86, CC85a, CC85b, Clo85a, DT87, Dia88, Dic85, Dür86a, Fie88b, Gan85a, GPS87b, HK85, IH86, LP88a, Léa88, Mar87, MS86c, MS86s, Mur85b, Pav87a, Pav87c, Pue88, RR85, Rum89a, Shi86d, Str88b, TW86, Täu86b, Tau86c, VZ86, Win85b, ABC⁺85, AM88a, Bér85a, Bér86b, Bou88c, BLR87, BJO89b, Brü87c, Cha86c, Che87, tC87, CC87b, CC88, CC89b, Col86, DT89, Don85h, DW87, FH89, FJ88, Fri88c, Fri89, Fun86, Gau85, GP87b, Gyö89, Had86, Hal87, Hil89, HPS87a, Hud86, Ill86, JY85, JL85, Kal86b, Kat88b, Kif88a, Kon85a, Kon85d, Kon85f, Kor87a, KP86l, Lan86, LR89b, Lev89k, tLqL87, Mac88b, Mad89, Man86b, May86b, Min87, Mod87, Pik86b, Sil88b, Rod87e, Shi86v, Sun86, Tie88, Üst87, Van87g, Var88a]. **applications**

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[LV89, McF88]. **Approach** [Fis87a, Mil85d, Sch86i, AD85b, BR85b, BG89b, Bor88b, Bou88a, CQ85, DM87a, DR86, FG88, FS89a, Fle85b, Fuk86b, Fut88a, Gri86c, Hej85, Ker85, Lew86a, Lic85, LM88b, MC88, Mil85e, Sén86, Tro89a, Via89, Wüs87a, Wüs87b, Zam88a]. **approaches** [BRA86e, CM87a, Sta87d].

Approche [Nic87, AD85b, Ber85b]. **approximants**

[AK87, Dra87d, Dra88, Kov87, McC89, Njà89a, Sta87d]. **Approximate**

[BLR87, Bin86, Kod86, Roo89, Sai86]. **Approximately** [HR88a].

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LV85, LS88c, LS88d, Oza88, Pic88, Rof85, Shi87d, Voj87a, Wsc85a, vdB87a,

BG88a, Blu85a, BM89c, Bre88, Bre86c, Che85, Col86, Csö89, DP88, Dun88, GR88, Ill88, KN88a, KK89a, KL87b, Kop89, Kor87c, Kuc87, KS87, LS87c, LM89b, LS88n, Mak88, Mas88b, Mat86b, Mou85, Njå86, Pap88a, Rec87, Saf88, Sch86q, Sch86r, Sha87, Sho85, SW89c, SS85e, dB85].

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Approximationstheorie [Col86]. **April** [ACSC85, ABS87, BBT85, EMS85, vO86]. **Arbeitstagung** [HSS85].

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arithmetical [Bou85b, Pix85]. **arithmetically** [CO89, MR89c].

Arithmétique [CTKS87]. **Arithmetische** [Fal85]. **Arnold** [FZ85].

Arnold-conjecture [FZ85]. **arrêtées** [Yor85b, Yor85d]. **arrêtés** [SY87].

arrays [Bin86]. **article** [Ati85a, Gal89]. **Artin** [Bae86, Cae86, Gei86, Mer86].

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differentiable [Che86b, cH89a, Lev89b, Lev89j, MC88]. **Differential**
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 SJ85, Smi86c, Smi86b, VZ86, Wei87h, Wei87u, Wil89, AEE85, Ado87,
 Arn88a, Bai89, Bar88a, Bar86e, BDT87a, Bel87a, Bel89b, BD86a, BF88a,
 Ber87b, BG89b, Bih85, Böh86, BH89c, Bou87g, BDE85, Bri85b, BDG88,
 Bui86d, BHT89, CV87, CFM86, CQ85, CM89b, Chu88a, CC85b, CC89b,
 Col88e, Col88g, Con85a, Ehr85, Els85c, Els85e, Els85f, Els85g, Eng87b, Fen89,
 Fri89, Gar88c, GL85, Gre87, Gri86c, Gro87d, Gru87, Gud87, Gyö89, HRL89d,
 HRL89e, HRL89h, HL88a, Hel87, Hen86a, Hsi87, Hüb89e, Ich87, IN86h,
 IN86m, Iwa87, Jac88c, JSC87, KN88a, Kaz87, Koc86, Kre86b, Kuc86b,
 Kuo89, KJ86, Kus86b, Lab86a, LS88b]. **differential**
 [Lax87, LV86b, Lie87, Lit88, Lyc86, Mac87, Már89a, Maw86, MV88, Mic89b,
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 Oco87, Olv87, Pav87a, Pic88, Pic87, Rei85, Roz87, Sch88h, Sch87l, Sev86e,
 Smi87, SS88c, SS88d, Šve86, Swe85, Tah86, Tal86b, Tre87, Wal86a, Wei87j,
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Differentiale [Sto85g]. **Differentialgleichungen** [Vog87a].

Differentialoperatoren [Wei86g]. **differentials** [BV88j]. **différentiel** [Deb87]. **différentielles** [BH86b, Lap88]. **différentiels** [And87b, Lev89a, Cau88, Mal88]. **Diffraction** [Ros89a, Mei86a]. **diffractive** [Lau87a, Wu88a]. **diffuse** [Gár87h]. **diffusing** [LS85b]. **Diffusion** [FP86, Kim86, UW88, ABGS85, AHK85, Bak89, BLL89, CZ86, DD86, FB86, Fit87b, Föl88, Her86, Ich86, IK88, Kot89, Kuč86a, LM89a, LN88, Lum89, MPS87, Mar87, McG88b, Nic87, Nua89, Ösh87, Par86a, Sal85c, Sch85j, Sta86a, Tan87, Tan88b]. **Diffusions** [BÉ85, Dür85b, Bak88, Car86a, CE88, DT88a, Elw88a, EH88b, Hud88, Hud89, Kuo88, MR85b, Nel85, Ros86b, Sul86, Üst88, ZM86]. **digit** [KPT85]. **digraphs** [Ito89]. **Digression** [Sil89b, Kir89c]. **dilation** [Bal86c, FA89, Pau86]. **dilation-analytic** [Bal86c, Pau86]. **Dilations** [BL85]. **Diliberto** [LC85h, LC85a]. **Dimension** [Gro88, Hes86, Mum88i, Bak85a, Bou87d, Bum85, Col88a, Deb89, Dra87a, Gei86, GNOY88, GGL87, Gup89b, Gur86, Kah88, Kör87b, Kož86, Kré88, Le 86c, Mañ88, Mil85d, Net88a, Okn88a, PV88, Sta87a, Ste89b, Szp86, Tak85, Tak88b, Van87i, Wal85b, tDP89]. **Dimensional** [DGM86a, MS86c, MS86d, MS86f, MS86i, MS86q, Tor87a, AJL89, Alb88, AK87, Ara87, Asa89, BW85b, BCSSC87, Bor88a, Bor89, Bou88b, BKT89, Brü87b, Can85, CRD87, CH85, CG86b, Dau88g, Die88a, Din85a, Dra87a, Eli88, Eng86, Eva85a, FFR88, GS85a, GL87, Ges86b, Gol89, Gu87a, HN86, Hap89, Har87d, Hid89, Hig87, IN86p, IN86q, Jen86, JLS87, KP87a, KP86e, Kos85, KŠ88c, Kuc87, Kuo88, tLcZ88, MS89a, Mes85, Mil85d, MP89b, Mir85, PIT88m, Pan85a, Pap88b, PS88b, Rei87b, Ric86, Sch87a, Seg85b, Sel86, Sel88i, Smi87, Tan87, Tan88b, Ton87b, VG88, Vos86b, Whi86, Zab87, dS87]. **dimensionality** [GZ87a, Gri86b]. **dimensionally** [OP89]. **dimensionnelle** [Ras87]. **dimensions** [BM88, BCZ87, Car88b, GR87a, HS89b, Kos88b, Lio89, Man85, McC85c, NR88, Sto87a]. **dimodule** [Bea86a]. **Dini** [Cau86a]. **d'intégrales** [Loe87]. **d'intéraction** [Cru87]. **d'intersections** [Bea86b]. **Diophantine** [CC85a, CC89b, Kop89, Voj87d, Voj87e]. **Dirac** [Ati85b, Bac89, BCSSC87, Duv87, Lav85, Müll87a, Wei87b, Wit88b, vEdG85e]. **Direct** [Bér86g, BFKP86, IN86b, IN86a]. **directe** [Sch85j]. **directes** [Hir89a]. **directions** [Kiw85f, Kra87a]. **Directly** [Bus88b]. **directs** [Zay87]. **Direkten** [Hla87a]. **Dirichlet** [Ber87d, BH86b, Bou87a, BH87, Fla87, FNT87, Kno85, Kop89, LMZ86h, Mou85, Sim89, SS88b, Zha88, dC88]. **disc** [Tro88]. **Discerning** [AP88]. **disconjugate** [Tre86]. **discontinuities** [Wag87]. **discontinuous** [Ros89c]. **discoveries** [Ber85d]. **discrepancy** [Mha87]. **Discrete** [Dau87, GM87a, NR85c, BN85, Bou87f, BRA86e, Coh88a, Die85a, Gyö85, Hir85, NR85d, Ocn85a, Vas86, dlH85, DZ89a, Mey89e, Rou87]. **discrete-state** [BRA86e]. **discrete-time** [Hir85]. **discreteness** [BM88]. **discretization** [AMM86, Pic87, Rek86]. **discrets** [GG84, Gal89, Yan88b]. **discriminant** [Pet89a]. **Discussion** [Fie88c, BC86d]. **disjunctive** [KS88a]. **disk** [LS87c, Pet89c]. **Diskrepanz** [Sch85h]. **Diskrepanzbegriff** [Fle85a]. **diskrete** [Wei86c]. **Diskreten** [Gol87c, KT85b, Tur87]. **disks** [Wal87].

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 BHT89, CM87b, Che88b, CL89a, CQ85, Cho87b, CM89b, CC85b, CC89b,
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Operator [Wei86e, Wer87b, AGHK⁺86, Ati85b, Bir85, Bor88a, Brü85, Dau88c, Dop85, Dzi88, FS89a, Fuk86b, FK87, Går87d, GESEZ85, Gar88c, Gro86c, Gru86a, Hil85b, Jar85d, LMZ86b, MB85, Nis86, RT89, RS85b, Sai86, iS88, Wat88, Wei87b, Wei87n, Wih85, Wit88b, AMSV85]. **Operators** [Bal86b, CGW87, Els85h, FS89b, Gra85a, Nag86b, Pav87c, Wei87c, Wei87u, Wid85b, vEdG85g, AB89, Agm85, AS85e, AB87, Bal86c, BDT87a, BCZ87, BBP88, Bor88b, BPSTJ89, BDE85, Bri86, Brü87c, BDG88, Car85a, Car86c, CFM86, CS89b, Chi85, CDMS89, CBD87, CH89b, DR87, DMR87, Dho85, Din85b, Dub88, Ele87, Els85b, Els85c, Els85e, Els85f, Els85g, Fuj87, Går87f, Går87g, GR85e, Gar86b, Gel88, GG85, Gil89a, Gou88b, Hel88g, Hel88h, Hin87, Hud89, Iwa87, Jaj89a, JM85, JSC87, Kha85, Khi86, Kir85a, Kir86, Kir87a, Kos88c, Krä88a, Kuo86, Liv87, Mac87, Mü87a, Mur87, Nag87, NS86a, Nei85, Ngu85, Pau86, Pav87b, Phe89f, Phe89h, jQxQ88, Que87k, Rei89h, Rei89g, Rei89j, Sch86a, Sch87c, Sch87l, Sim85a, Smi86c, Smi86b, Smi87, SS88c, Vol88b, Vol88d]. **operators** [Vol88e, Vol88g, Wei87e, Wei87h, Wei87i, Wei87o, Wei87p, Wei86g, Yan88d].
optical [Pik86b]. **Optimal** [Col88e, GESEZ85, Kog86b, Kog86h, Lio85, Bar85a, DM87a, Fla87, Hau85, Hop87, Hop86, Lio89, MM86, MR85c, MW86, Mos85, NR85d, NR85e, OD85b, Tvr86, Vin85]. **optimality** [Cam86].
Optimization [Col88f, GQS85, HM88a, Kiw85e, MS86u, Alt88, GJN88, Law89, LM89b, Phe89a, Zol86, CDG86]. **oracles** [HZ85, Yam89]. **orbit** [HS88, KK89b, LÖ86, MS86a, Shi86m]. **Orbital** [Orl87]. **orbits** [ABHK85, Bor87b, Jaw86, Kat88a, Mat89b, qW88]. **Order** [BB88c, HRL89g, Win85b, AEE85, Aro88a, BB87, Bar87c, Bar86e, BDT87a, Bih85, Böh86, BDG88, CAXD86k, CAXD86l, DR87, DL89, Des85, Dra85, ENS87, Går87d, Gil89a, Gos88, GL85, Gre86a, Hem86, JSC87, JM86a, Kar85, Kos85, Lab86a, Las86b, LS88b, LX89, Lio89, LT88, Mas85, MN88a, NV89, Nir88, Pan85b, Ril89, Sch85c, Spe86, Tur89, Wan86, Wan89, Wil88, Win85c].
ordered [Hir85]. **ordering** [Ler85]. **Orders** [DGM86b, Brz85, CW85, DV86, Frö85, HvL88, Rog86, Rum85, Rum86, Sal85b, VS87a, Wie86, RR85].
Ordinal [Poh89f, Poh89e, Poh89a]. **ordinals** [Bau89, Cho85b, Fri85a, Jac88a]. **Ordinary** [Els85h, Neu86b, Wei87u, Ado87, Ber87b, BDG88, CQ85, Col88e, Els85f, Els85g, IN86h, IN86m, KJ86, Lew88b, Lit88, MH88a, MH88c, Ste86b, LV86b, SJ85]. **ordinization** [Day85]. **ordre** [BD89a]. **Ore** [Bro85]. **organisées** [FHMM86]. **orientable** [BG89a, BBGM89]. **oriented** [Cib86, Str86b, Tur88a, dP86]. **Orlicz** [AS85j, MP85, Por85]. **Ornstein** [Had85]. **Orthogonal** [CM88b, Dra85, EM88, Hen89a, Lit88, Njå88, Van87b, Van87d, Van87e, AA85, Ask89, Bou89a, CM88a, Gau85, Ger88b, Hen89b, HL88b, IN85, Koo85, Koo88, Kra88b, Las89, Lev89f, LR88a, Lóp88, Mag88, MM85, Mas88b, MN88a, Nik87, Ral87h, Vie85]. **orthogonal-series** [Nik87]. **Orthogonality** [CCS⁺87, Kow85, dB85]. **Orthogonalpolynome** [Hah85]. **Orthogonaux** [BDM⁺85, AAGV85, Die85b, Mar88c]. **Orthonormal** [LS88f].

orthonormalization [Pap85]. **orthosymplectiques** [Cru85b, Cru87].
Oscillation [Bou86a, Wei87o, Wei87p, Ber88b, MH88b]. **oscillations**
 [Arn88a]. **Oscillator** [Ral87c, For85, For88a, IN86n]. **oscillatory**
 [Bar86e, DL87, DZ85, Eng87b, Går87b, Går87h, Går87k, GL85].
oscillatory-equations [DZ85]. **other**
 [Koo85, MN88c, Men89, Mil88c, Shi86r]. **OTOP** [Har87c]. **Ottawa**
 [DGM86a, DGM86b]. **outfix** [KS88a]. **outgoing** [Ens88]. **output**
 [Bar88a, GMW87]. **ouvert** [Mou85]. **ouverts** [Loe86, Ofm86e, de 89]. **Oval**
 [JT86]. **overrings** [Gla89g]. **Overview** [Kog86i, Hai85, Lan88c].

P. [Car86d, Par86c]. **P.-A.** [Par86c]. **P.I.** [Jøn85, PR89a]. **PA** [Kuč85].
packing [Bou87e, Tay86]. **Padé** [AK87, Bre88, CC85a, CC85b, Dra87d,
 Dra88, McC89, Njå89a, Njå86, Sta87d, Wer87b, dB85]. **Padé-Operator**
 [Wer87b]. **Padé-type** [Dra87d]. **PADF** [Fin88a]. **Painlevé**
 [IN86f, IN86g, IN86n, IN86o, IN86j, IN86l, IN86k]. **paired** [Går87h]. **Paires**
 [MVW87c]. **pairing** [Bei87a]. **pairs** [Bat87, Kog86c, LR85, Sch85i]. **Paley**
 [BL86, Mey85a, Bak85c, Bou89b]. **palindroms** [BT86a]. **Paneitz** [DHS85].
paper [HS86, Kát85a, Par86c]. **parabola** [Waa89]. **Parabolic**
 [DM86, AT86, Bel87a, Di 86, Gar88b, GS86, Lan88a, Li88, Mar89c, Mor89,
 NW86, SJ86, Tho86a, Tit87, Wan88]. **paraboliques** [Lum87]. **paradox**
 [Coh85]. **Parallel** [Kan87, App88, Gli86, MV86, NS89b, Pet89c, Xia89, 1Y87].
Parallelism [Bel89b, Sil88a]. **Parameter**
 [KP87b, Pro85, Wih86, Bar89d, CF88, Fla87, FRN85, Grü88a, Imk88a,
 Imk88f, KL87c, Nag86b, Sad86, Veg85, Wak87, Wal86b]. **parameters**
 [KMM87, Kör87b, Kre86c, MH88b, Oko85]. **paramètre** [DD86]. **paramètres**
 [Wsc85a]. **Parametric** [GJN88, Car85c]. **Paramétrix**
 [Rab87, FK87, Går87d]. **Parametrization** [IN86j]. **Parametrized**
 [Nak89, Str87a, Thi86]. **parasitic** [Had86]. **parentheses** [BT86a]. **Pareto**
 [Cec86]. **parfaits** [CL85]. **Paris** [JY85, Mal85c, Mal86b, HM87]. **Park**
 [AH85a]. **Parry** [Pre88g]. **part**
 [Don88b, Dum85b, Pro87, Sch86q, Sch86r, Jac86a, LeP89a, Lio89, Rau85].
Partial [DT87, Gek86j, Gia86, GZ87b, Kag85, Kaz87, Pav87c, SJ85, Ado87,
 Bel87a, Bel89a, Ber87b, Bre86b, CV87, CM89b, Ehr85, Eng87b, Gia88a,
 GMW87, Gyö89, HvL88, Hen86a, Her88b, Jac88c, Kre86b, Kuo89, Lie87,
 Lit88, Lja88, Már89a, MV88, Oco87, Pav87a, PS85, Roz87, Tah86, Tal86b,
 Tor87b, Waa86, Wal86a, Zha88]. **partially** [Grü88b]. **particle**
 [AGHK⁺86, Dur86f, Gre86f, Lig86, Pre87, Rav85, Ros86c]. **particles** [LS85b].
Particular [Gla89d, tW87a]. **particuliers** [Sal89]. **partie** [Bak85a, Pas87a].
Partieller [Vog87a]. **partielles** [Bou86b]. **parties** [Deb87]. **Partition**
 [Clo85b, Bau89, Fri85a, She89a, Shi86n, Yor85c]. **partitioning**
 [Arb89, Vas86]. **Partitions** [Aga86a, Dür86d, ESN89, Kat85b, Sta86b, SS85d].
parts [ESN89]. **Pass** [Cha86b]. **Passage** [Kör87b, Had85, Kes86]. **past**
 [Jam89, Rea86]. **Patch** [Kne89c]. **path** [Car86a]. **Pathfollowing** [GJN88].
Pathology [Neu89]. **paths** [Bre89a, Kis86, Lin86b, MP85]. **patrie** [Bak85b].

patterning [GS85b]. **Paul** [Mal85c, Mal86b]. **Paule** [Mal85c, Mal86b]. **PDE** [Eva87, Kaw85d]. **PDE's** [Roc88]. **peculiar** [Dub85, Dur86f]. **penalty** [Man86b]. **1984** [LDS86]. **83** [JY85]. **84** [AY85, Law85]. **85** [AY86]. **low** [Ler85]. **SIP** [vdW86]. **pencil** [PS89a]. **Penetration** [Fit88]. **Peñíscola** [NFM86]. **Percolation** [Gri86b, Hig87, Kes86]. **perfect** [BV88g, Con89, LF89]. **performance** [Kog86e]. **Périmètres** [Wsc85d]. **period** [Kno89, Var88b]. **Periodic** [Bih85, Co086a, DL86a, Gil88, Kre86b, Prü86, Rab88, Afa85, BF88b, Chu88a, Col88e, Dho85, Fen89, GU87b, HPY89, Hel88h, HS87e, HjJ89, Jac86a, KL86, KH86, Mat89b, Mil85b, MB85, Par87b, Son85, Van87a, Wei87c, Wei87h, dBJ87]. **periodical** [AK87]. **periodicity** [Sei89a]. **périodiques** [Lim85]. **periods** [Sch88g, Tre87]. **permutation** [Dvi85, Pir87]. **permutational** [Lon89]. **Permutations** [CS89g, Wan86]. **Perron** [JNT86, JNT87, KJ86]. **Persistent** [GMM88]. **personal** [cH89a]. **perspective** [cH89a]. **Perturbation** [Maa89, NR85c, Ben85b, BCM86, Gra86a, tLcZ88, NR85b, Yan88d].

Perturbations [Jar85e, Mez86, Bol88, Chi85, Lin86b, Sch87c, Sev86d, Tre86, Jar85d, Jar85a].

perturbative [Gyö85, Seg85b]. **perturbed** [HS87e, Men88b, NR85a, NR85d, Sch86c]. **perverse** [Bei87c, Bei87b]. **petit** [Léa87, MVW87d]. **petits** [Gan85c]. **Pettis** [AS85j, Dre86]. **pf** [Her88a].

phase [BR85b, MMA86, PR85b, Sch86o, Sch86p, Sle87]. **phenomena** [Pre87]. **Phénomène** [MS87b]. **Phillips** [AS85k]. **Physical** [Fri88c, Kon85f, Bér86f, Bra87, FKZ86, Gyö85]. **Physics** [ACSC85, ABS86, ABS87, DH85b, GPR87, GPS87b, LS86a, AL88a, GRT88, Mit86, Sta88b, Sta88a, Wil86b, vK87]. **physiology** [RB87]. **Picard** [Dre87, Hol89c, Nev89, Tre87]. **Piecewise** [Lev89j, Pre88f, Che86a, Lev89b, Lev89d, Maz86]. **pilgerschritt** [FR85].

pinched [KS86e]. **pinching** [Kat86a]. **Pisier** [MS86o]. **Pitlochry** [Thr86].

PL [DH89, Lev89c]. **plan** [Dem86b]. **planares** [Arq86]. **planar** [Bus88a, Kre85]. **Plancherel** [PV87]. **Planck** [HSS85, Cru85a]. **Plane** [CO89, Gud88, LP88g, Str86d, Wan87g, Alu88, AS88, Cat85a, GS85a, Her88c, KS88b, Kor88, Lev85e, Lev85f, Lon88, MD89, Pic85, Ros89c, Sch87b, Sta86b, Wal86b, Wan87c, Wan87e, Web88]. **planes** [Hir87]. **Planetesimal** [DT88a].

plasma [AP89]. **plasmas** [Wei89b]. **plate** [Fil85, Sad86]. **Plateau** [Bor88a, Die88a]. **pluriharmonic** [DP85]. **Plurisubharmonic** [FS87]. **plus** [Mag86]. **plusieurs** [Fug86]. **Plusieurs** [Nor86a, Bia89, LS85a, Roo86a].

PN [Lev85b]. **Poincaré** [Ani88, Ass86b, Dix85, EH88a, FT88a, FGL86, Gul86b, HV88, Hen85, Kas87, Kri85a, Les88, Mas85, Mc 87, Pan85a, Roo88, Le 86b, Asa86, Reu86b].

Poincaré-series [Kri85a]. **Point** [Coh86, AGHK⁺86, Bér86f, BG89b, Bli86, ČW87, Col88b, CL89b, Dra87d, Dre85, Els85c, Els85e, Els85f, EM86, Fad89, Fel88, FZ85, FF89, He89, Hög89, KM88, Kat88b, Kes88a, Kiw85c, Kom89a, Kor88, Kos88a, Lab86a, Maw86, Njà86, Not88, PIT88a, PIT88d, Pap88a, Pre88e, Rad87, Tho88, Ulr88b, Wei87m, WST88, Yp89]. **point-limit**

[Wei87m]. **Point-line** [Coh86]. **pointclasses** [Bec88]. **pointées** [Arq86].
Points [MM86, Arn88a, Bah88, Bor89, BGS89, BV88f, Cil87, Els85g, Fer88c, Fin88a, GH85b, Hah89, HPY89, KR85, Kog86d, Mag86, MK88, Mor86d, Mum88p, PIT88e, Rea86, Rei87a, Rog89, RS85b, Sar85, Sch88a, Shi86w, Sil89i, Sjö87, Str86c, Tim88, Vig86, Voj87f, Wai89, WKK86, Zag85].
pointwise [Bou88a, CM88c]. **poised** [VJ85]. **Poisson** [Akk88, BW85b, BGR85, FL86a, Fri88c, Hmi87, Kni86, Wu87c, Wu87d, dC85b].
polaires [Le 88b, Mag86]. **Polar** [SZ87, Web88]. **polarities** [Dol86].
polarized [CKS87b, Kas87]. **polaron** [AO85]. **polemical** [May86c]. **poles** [Bar86b, IN86n, IN86o, Kov87, Njå88, Sta87c]. **Polstellen** [Wei86].
polycycle [Mou88]. **polycyclic** [Rob89]. **polydiscs** [LM86a]. **Polyeder** [Buc85]. **polygonal** [Blu85a]. **polygons** [Kan86c]. **polyhedral** [BS89f].
polyhedra [Buc85]. **polyhedral** [Dau88h, KP85]. **polymer** [Sto87a].
polynôme [Bar87b]. **Polynômes** [Str85a, Val86a, AAGV85, Big85, Cau88, Die85b, Las86a, Mar85, Mar86c, Tor87g, BDM⁺85]. **Polynomial** [Ale87, ES86, Gia87, Gla89e, LS88n, Ple87, ASV88, Arb89, BF85, BDG88, Cie88, Hom85, KL87b, Koo85, LM88a, Lit88, Mas88b, McC89, Net88a, PPP87, Saf88, Wer87a, Woo87b, qW89]. **Polynomials** [Ger88b, Van87b, AA85, Ask89, BHS88, BG88a, Ber88a, BD88, CM88a, CM88b, Dra85, EM88, Esp88, Fri88b, Gau85, Gro87c, GR85k, Has85, HL88b, IN85, ILV88, JNT86, Koo88, Kow85, Kra88b, Lan88d, Las89, LS87c, LR88a, Lóp88, LS87f, LS88c, LS88d, LS88e, LS88f, LS88k, LS88p, LS88l, LS88r, Mag88, MM85, MN88a, NS85, Nak89, PH89, Pet89c, She87a, Shi86f, Van87d, Van87e, Van85, Vie85, Yui88, dG85, dSCV85]. **polytopes** [Dre85]. **Poncelet** [BT87a]. **pont** [BLY87]. **Pontrjagin** [Sto85f, Kaw86a, KK89b, Mei87]. **Pontryagin** [Lis87, Sto85f]. **population** [Don86c, Kim86, Smí86a]. **porous** [Aro86]. **portrait** [Fom88a]. **posed** [Nat86]. **posets** [BV88a]. **position** [MP89b]. **Positive** [Anc88, Don86b, FM89, Hel89, JW89, Nag86b, Pet89h, Swe89, Van85, Are86a, Are86b, AB87, Bal85, DD85, Dem88, FQ85, Gre86b, Gre86c, Gre86d, Gre86e, Gro86b, Gro86d, Gro86e, Gul88b, Had85, Hol88, Lac86, NS87, NS86a, Nis86, Pet89a, She89a, Siu87, Swe85, YM89]. **Positively** [RVV85, Xia87]. **positivité** [dC86]. **Positivity** [KN88b, Led86b]. **possible** [Koz86]. **posteriori** [Ban86, Kod86]. **Postnikov** [Ass85]. **potato** [Sch86b]. **Potential** [LMZ86j, Wil88, BH89b, BB88c, Chu88b, Fab88, Fug88a, GR87a, HN86, Han88, Har86, Hel88b, Krá88a, Lai88, Lan88a, LMZ86i, PS89a, Roa88, Ros85b, Sch86q, Sch86r, Sha87, vdW86]. **potential-theoretic** [Krá88a]. **potentialistes** [Tor87g]. **potentials** [AB87, CBD87, Cra86a, DMR87, Ens85, Ens88, FW89, GU87b, Hel88h, Kan88b, Kir86, LS88n, Yaj85b]. **Potentiel** [HM87, Bar87f, Geb86]. **Potentiels** [de 89, Del89, Maa87, dIP87b, dIP89]. **Pour** [Ibr85, Jac85a, Alt89, Bak85a, Bak85b, Bar86d, Bar87b, Ber87d, Bou86b, Cle88, Deb89, DvdB87, DD86, Fer86, Gai88a, Han89, Hir87, Le 88b, Lim85, Lon86, Lum87, SY87, Vig89, dC85b]. **Power** [Dür86c, McC86c, LR88b, Meh85, Rei85, Sch85i, She86m, Shi86v, Wie87]. **power-sum** [LR88b]. **powered** [Dun87]. **Powers**

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GR85f, Gel88, God87a, GL85, Gri86c, Grü88a, Gul88a, GF87, HW88, Hel87, HS87e, Hör87, Hua88, HjJ89, IK88, IN86n, IN86o, IN86j, IN86l, IN86k, Jac88c, KPA89, Kod86, Krb86, Kre86b, KH86, Kuc86b, Kus86b, Lan88a, Lap88, tLqL87, tLmC89, Li89b, Lie87, Lie88, Lio85, Lio89, Lit88, Mar89c, Mc 87, Mei88, MV88, Mey89a, Mil88a, Mou85, Net88a, Neu86c, Oco87, PS88c, Prü86, Rab88, Sch87l, Sch86j, Sch86k, Sch86l, Sim86, Spe86, SS88c, SS88d, Ste86b, Val86b, Wag87, Wei87a, Wei87r, Yan88e, YM89, Zvy88].

solvability [Aro88a, Erk87, HSG88]. **Solvable** [Abe87c, Abe87h, GLR86, Gup89a, KŠ88c, MB85]. **solve** [GMW87]. **solved** [Erd85, Mei86a]. **solver** [AMM86, vdW86]. **solving** [Aga86b, DF86b, Jar89]. **Some** [AK88, AL88c, Bae89, Bal88, Ben85b, Bok88, Bou85a, Bry87b, BH89d, CFdG87, Car86e, Car89b, CS89i, CKS87a, CW89, Cec88, CM89a, Coe87, CP89c, Da 85, Dav87d, Day85, Dra87c, Dur86f, Eke88, Fab89, Fef88, Fri89, GR85f, Gau85, Gia88b, GR86, GL85, Grü86b, GU87b, HSG88, Hil89, Hop87, Jen87, JL85, Kal86b, Kop89, Kor87a, Lab86b, Lal88, Lan85a, LM86b, LS87c, Lev85h, Lev89k, Lev89l, Lin88b, Lon88, Mae87, Man86b, MW89, Mei86a, MR85b, Mha87, Mil88b, MS86k, MS86s, MS86t, Mil87b, Mor88, MvR88, MY87b, Mum88v, NS89a, NW86, Nat85a, NW89, Obr85, PS87a, Par86d, Par89, Pie88b, Plu89, Pre88l, Pri89, Pug86, Rad87, Rod87e, Rog88, Sac85, Sch85a, Sch86a, Shi86r, Shi86s, Sim85a, SS89b, Siu85a, Sri85, Sta85, SJ86]. **Some** [Ste87a, Str86c, Šve86, Tho86b, Üst87, Üst88, Van87g, Vir88, Vse85, Wei85b, Žen86, vW89, Ara85, Arn88b, BSK87a, Bar89c, Bar85d, Bér86a, BB88a, Ber86i, Ber86j, Ber85d, BG89b, Bih85, Bor85, BM85, CM87a, Cha86c, Cho87b, Coh87a, DST89, Ebe87b, Erd85, Fei86b, Fer85b, FP85, Fle85b, Gal85, Gre89, Hab87, Hay88, Hei85, Jos85a, Kat89a, Kob89, Kod86, Kon85a, KP85, Kus86b, LR89b, tLqL87, LR88b, Mar86c, Mei88, Men89, Mil88c, Mos85, Mul86, Njä89b, NZ89, Oco87, Pik86b, Pov86, Rog87, Shi86v, Sun86, TC85, dS87, CC89b, Col86, NS86e]. **son** [San87]. **soniques** [Mét89]. **sont** [Mar85]. **sound** [Fil85]. **source** [Roe87, WST88]. **Sous** [Cho87a, Aro88b, Bak85c, Bak85b, Bak88, Cau86b, Den86, GB86, Szp86]. **sous-analytiques** [Den86]. **sous-corps** [Cau86b]. **sous-diagonaux** [GB86]. **Sous-Ensembles** [Cho87a, Szp86]. **sous-harmonicité** [Bak88]. **sous-riemannienne** [Aro88b]. **Space** [CS89f, GP87a, MS86e, AHKHK89, Bac89, BE86, BM88, BR85b, BN85, Blo85, BWW85, Bou85a, BHT89, CS89a, CS89d, CS89e, CS89g, CS89j, CS89k, Che86d, Che89, Cil87, Coe87, Coh87b, CP89c, DD85, DM85b, ES87b, Erk87, Fab89, Föl86, Fri89, GR85a, Gri86a, Gu87a, Har88c, HH85, HM88a, Hud89, Itō88, KS86a, Kes88b, Kle87, KÜ88, Kow85, Lar88, Le 88c, Lis89, Luc89f, McC86b, MN88e, Mey87b, MP89b, NR85a, Ne'87, PIT88m, Par86d, Par88b, PS88c, Qua88b, Rac85, Rec85, Rog89, Ros85a, Rub86, Sch89a, SZ85, Seg85b, Sel88i, Shi86m, Shi88a, ST89i, Sul87, TC85, Tim88, Wen85, Wit88b, tW87b, Wu87a, dM88]. **space-level** [McC86b]. **space-like** [DD85]. **space-valued** [Luc89f]. **Spaces** [BS86, BDH⁺85, Bel89a, DK85d, FO86, FHMM86, KS85a, Kri85d, LC85f, Mat86d, MS86c, MS86d, MS86f, MS86i, MS86q, MS86s, MS86t, Sch87k, SS85b,

vEdG85g, AM88a, AM88b, Ani89, Ara87, AFP87, ADR85, Asa89, Ass89, AA89, Bar89d, BD89b, BS87c, BR89, BT88b, BB88b, Böd87, BC88, Boj88b, Bou88b, BL89b, BG89c, Brü87b, Bur86, BG89d, Cec85, Che86a, Che86b, CG89, CP87, CF88, CHS85, CD87, CS88c, Da 85, DL86a, DP88, DvdB87, DLdS87, Din85b, Don89a, DG86a, Dow89, DZ87, Ebe86, EH88a, Ele87, Eno88, Est88, Fal86, Far87a, FT88a, For88b, FJ88, FHJW89, Gar86a, GM85a, Gil87, Gri86c, HW88, Han88, HS87b, Hat86, HV88, Heg88, Hei85, Hei86, Hir85, HR85, Hop89b, Hri87, Hu87, Hus89, Ike88, JM89a, Jaj89a, JM85, JLS87].

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[Joh88b, KPA89, Kam85, Kat86a, Kaw87, Kif86, KK85, Kne89a, Kne89d, Kuc86b, Kuf86, Kuh89, KLR85, Kur87, Lar88, Led86a, Lew88b, LT89, LC85d, LC85j, LS87e, Lin88b, LÖ86, LMZ86a, LMZ86b, LMZ86n, MP85, Mar86c, Mas86b, Mat86a, Mat86e, MS86a, MS87a, Mil85d, Mil85e, Mil87b, MS85, Mur87, NS86b, NS86c, NS86d, Nei85, Nei88, Neu86a, Now87, Nyi89, Oha86, Oko86a, Orl87, Oro89, PIT88j, Phe89a, Phe89c, Phe89e, Phe89h, Phe89j, Pie89g, Pie89h, Pis86, PX87, Por85, Pou88, Pov86, Rad87, Raw85, Ray88, Rea88, Rei89f, Rei89g, RTVW88, Roo88, RS85b, Sch85a, Sch88a, Sch87d, Sch86g, Smi85a, ST89j, SS85e, SS85f, SS85d, Tri86, Vog85, Wal85a, Wal88, Win85f, Xin89, Xu87a, Yuk86, dG85, vEdG85a, vEdG85b, vEdG85c, vEdG85d].

Spain [BS86, CAWXD85, CKGP87, GPR87, NFM86]. **spanned** [CS89e].

spanning [Tro88]. **Spatial**

[GS85b, Tau86c, Ges86b, Gor86, GS86, Kuu86, MPS87, Täu86a]. **spdes**

[Par87a]. **Special** [AH85a, BT87a, HS85, Koo85, Neh87d, Ral87h, Sch89d,

Wei87s, All89, Ebe87b, JW89, Kim86, Mul86, Pir89, Shi86s]. **speciality**

[GP87a]. **Specialization** [Mum88w]. **species** [Lab86b]. **Spectra**

[BMMS86, DR88a, Bru86a, Bru86b, Bru86c, Gro88, HS87e, LM86f, LMS86a,

Lew86b, Mah87, May86a, McC86b, Ste86a]. **Spectral**

[Bér86g, Bri86, Brü85, CBD87, GN86, Gre86d, Gre86e, Gro86e, Hel86h,

Mül87h, Oro89, Que87i, Que87j, Que87k, Wei87u, Bér86a, Bro86, Bru86a,

Dav87d, Est88, FZ87, Fer85c, GT85b, Grü88a, GU87b, Hej85, Hel86f, Hel86g,

Kuc86b, Mül87k, Mül87l, NS87, Que87h, Sun87, Wei87f, Wei87s, Wei87t].

spectrale [FT88b, Nic87]. **spectrales** [Lim85]. **spectre** [Fer86]. **Spectrum**

[RV89, Coe87, DM89b, DT89, EN86, Esp88, HR88a, Hin87, Koz85, Phi87f,

iS88, Ton87b, Wei87i, Wei87a]. **speed** [Dav87b]. **Spektralsequenz**

[Sto85g, Sto85h, Sto85b]. **Spektrum** [OS85, Wei86c]. **Spektrums** [Sto85m].

Spencer [LP88e]. **Sphäre** [BDT87b]. **sphere**

[Aso89, Bry89a, BG88b, CC89a, Don88b, FKV88, HK85, Kir88, Mut86, VG88].

spheres [CGMM87, Dyl88, Ino89, Lev85g, NS86e, Ped85]. **Spherical**

[Bar89b, AL88c, ByC86, DvdB87, Mac87, Pas86, Ron86, Sap86]. **sphériques**

[DvdB87, San87]. **Spin** [Kir89p, Sel86, Bry85, Fan89, Tur88a]. **spin-boson**

[Fan89]. **Spin-like** [Sel86]. **spline** [DGM88, Pic89b]. **splines** [Els85a]. **split**

[AU86, AR87, Rog87]. **Splitting**

[Hri87, MMT87, Woo87b, BEMG85, CM87d, Cra87, Giu88, Hul85, Ocn85j].

splittings [Ass86b, Böd87, LMM86]. **Spontaneous** [RD85]. **sporadic**

[Fei86b, Kar85]. **spread** [Ros86b]. **Springer** [Ros87b]. **spruce** [GS85b].
spun [Kan89, Lit85]. **Square** [Jon89, BW85a, Le 89, LS85b, NV89, Sch86s].
squares [Ber88a, GP85, GLC86, NS85, She86n, Woo87b]. **Squaring** [KI87].
squeezing [AB89]. **Stabile** [Wei86o, Wei86m, Wei86n]. **Stabilité** [Ala88].
stabilities [GR85c]. **Stability**
[Axe86, Bai89, Bel85b, CS86, Eno88, KR85, Kuč86a, She89b, Ura86, Zol86,
AEE85, AOP86, CK89, DS86a, DT89, Gaj86, GR85c, GR85d, Gyö89, Hol89b,
KN88b, PS87a, SB88, Šig87, Veg85, Jar85g, KZ85b, KPZ87]. **stabilization**
[GR85e]. **stabilized** [AMM86]. **Stable**
[Ara88, Böd87, Bry89b, LeP89a, Lev85c, LMS86c, Lis89, Mar86c, Ark89,
APS89, Car86d, Cra87, ES87b, Fab89, GZ89, GM85b, Her89, HH86, HS86,
Kas86, KMM87, LeP89b, Lev85e, Lev85f, LM86e, MC89, May86b, May86c,
NS87, NS89a, Oko85, PS88b, Pic86, Ric87, RW85, Sch87g, Shc85]. **stables**
[BL86, Dre87, Lap88]. **Stallings** [Sch85b]. **Stampacchia** [CDG86].
Standard [Gol88, Tor87d, Eli88, She86h]. **Stanford** [Hop89a]. **star**
[Con89, LT88, Shi86i]. **star-free** [LT88]. **Stark** [Jen86]. **starlike** [GN88].
State
[BHT89, BRA86e, CHS85, Gaj86, GRT88, GF87, HM88a, NR85a, TL86].
State-space [BHT89]. **Statement** [LS88q]. **statements** [Tor87c]. **States**
[Han87i, AB85, Ben86b, BB88a, Bes85, Cra86a, D'A85a, Dau87, Eva85b,
Fan89, Joh86, Kir85a]. **static** [MP88, Xu87b]. **stationarity** [Las89].
Stationary
[Pit87, Bor85, Da 85, Fri85b, Küm88, Led86b, MS89a, Mat89a, She86g].
stationnaires [Fer89]. **statistic** [SW87, Sla85b]. **Statistical**
[FHMM86, Kon85g, Oll85g, Oll85i, DL88, Le 86c, Lew88a, Mit86, Oll85b].
Statistics [BPW86, dPR86, Bar89c, Pan85b]. **steady**
[DL87, Gaj86, GR85f, GF87, Hem86, Spe86]. **steady-state** [Gaj86].
Steenrod [Woo87b]. **Stein** [BL86, Dem86b, Geb86, LT87, Mey85a]. **Steiner**
[BLM89, PS85]. **step** [EM86, Kni86]. **steps** [Bel89b]. **Stern** [NZ85]. **Stetige**
[Tic87]. **Steven** [DHS85]. **Stickelberger** [McC85d]. **Stiefel** [McC85a].
Stieltjes [AC87, MH88d]. **stiff** [Axe86]. **stimulated** [JMN86]. **Stirling**
[Reu86b]. **Stochastic**
[AP85a, AF88, AHKH86, BD86a, Car88a, Cec89, Daw86b, Hab87, HK87b,
KZ85b, KPZ87, Kuo89, MP85, Mod86, Nel88, Ros86b, Täu86a, WST88,
ABC⁺85, AGHK⁺86, App85, App88, AKO86, BL85, Bar88a, BL89a, BT88a,
Bax86, Ben85b, Ber85c, BR85b, Böh86, BM89c, BH89c, BRA86e, CV87,
Car86a, CCE86, Car86f, Cho87b, CM89b, Cra86a, Cra86b, DL88, Daw86a,
DG89, Faj85, FS89b, Fla87, Fle85b, Fri85b, Fri89, Fuk86b, Fun86, Gli86,
Gli88, GQS85, Gyö89, Hab88, Har86, Hop87, Ich87, JL85, KPA89, KN88a,
Kif88a, Kif88b, Kot89, Las89, Lio89, LB86, Mét86, MV88, Mos85, Nua86,
Nua88, Oco87, Oco88, Par87a, Par86b, Par86d, Par88b, Pic88, Plu89, Pre87,
Qua88a, RW85, Ros86c, Roz87, Str86a, Str86c, Tir88, TL86, Üst87].
stochastic [Wal86a, Wal86b, Wih86, Yas88, vK87, vdBL88, vW85, ACSC85,
ABS86, ABS87, DT87, IH86, Tau86c]. **stochastics** [Le 86c, LR89b].

Stochastique

[JY85, Ber87d, Hau85, JM86b, Kr688, Mey86b, Pra88, Yan87, Par86c].
stochastiques [BH86b, Lap88, dC85c]. **Stockholm** [Roo86b]. **Stokes**
 [AMM86, Bem88, Nit86, Paw85, Pon88, SH86, Val86b, Bei88]. **Stone** [Kee87].
Stong [Zag88]. **stop** [AS89a]. **Stopping** [Nag86a, Fit88]. **straightening**
 [BV88a]. **strange** [Pas89]. **Strasbourg** [FHMM86]. **Strategies** [Tor87a].
strategy [BT86b, IW86, Tor87b, Tor87f, WKK86]. **Stratonovich**
 [DZ89b, vW85]. **Stratonovitch** [HM88b]. **Straus** [LC85h, LC85a]. **strength**
 [Gud87, LSR88]. **stress** [Ste85a]. **stretching** [KL87a]. **Strict**
 [CAXD86r, CAXD86s, Kni86]. **stricte** [Del88]. **Strictement** [Cho87a].
strictly [Ark89, Ens88, Gol86b, KMM87, Sch87b]. **Strings** [Ne'87, Kre86a].
strip [Lac86]. **Strong** [Bau87, Cho85a, Col88i, DM85c, Hen89b, Jaj85e,
 Jaj85f, Jaj89b, LS87f, Coo86b, Hen89a, Phi87f, Ran86, Sch88a]. **Strongly**
 [ENS87, LV89, AS85b, Avr87, Axe86, Cho85b, Eng87a, GN88, Hir85, Oko85,
 Sim86]. **strongly-damped** [Avr87]. **Structural**
 [BDD89, HPS87f, SB88, Zwi89]. **Structure**
 [Bal86a, Ebe85, Sev86g, Wil86b, Arn88a, Bea86a, Bou85a, BV88p, CP89a,
 CKS87b, Che88c, Dav87a, DH89, Dum85b, Eli88, Fre87, Gel88, HZ87a,
 HLR85, Imk88e, JM86a, Kas87, LS87b, LP87a, McC85d, Mey89a, Mey89d,
 Mir85, Ne'87, Odi85, Pre88m, SS86, Som86, SZ87, Tay85]. **Structures**
 [CS87a, Azn87, Dür86b, Dür86e, Dwi87, Hai87b, Har85a, Joy86, Kar89,
 Kir89p, KL87a, KP86l, Law89, LR85, MR87, Mez86, MS85, PM89, Raw85,
 Ton87b, Tur88a, Wal85b]. **Student** [Sla85b]. **Studies** [BGV86]. **Study**
 [Hel88i, tW87c, All85b, Fei86a, FV89, GH85b, Gu87a, Kee87, Lan88a, VSP89].
Sturm [Brü85, Wei87e, Wei87i, Wei87o, Wei87p]. **sub** [Paw85]. **sub-analytic**
 [Paw85]. **subalgebra** [Eld89, GI85, Var89]. **subanalytic** [MS86a].
subcategories [ART88]. **subcomplexes** [Lev89e]. **subdifferentials**
 [Phe89h]. **Subdirectly** [Jež85, Nag88]. **Subelliptic** [JSC87]. **subgradient**
 [Kiw85a, Kiw85g, Kiw85h]. **Subgroup** [Haw87, Bea86a, BR88, Lau87b].
Subgroups
 [Phi87g, Asc86, CM89a, DM86, Don86a, Ebe86, FRN85, GGL87, Gup89b,
 Hua86, Kha89, Len87, LM87, Möh87, Rey86b, Rhe89, Sto87c, Tit87, Wil87].
Subharmonic [Ceg87, Rip87]. **subharmonics** [CC87a]. **subideals** [KN89].
submanifold [Wan87a]. **Submanifolds**
 [GM89, Hin85, ByC86, Bar89b, Bej85, Bry87a, CC89a, KS86a, PIT88g,
 PIT88h, PIT88j, PIT88k, RVV85, She89b]. **submartingales** [FS85b].
submersion [Rec85]. **submodules** [Hal89]. **Subnormal** [Sto87c].
Suboptimal [Els85a]. **subordination** [Bur89, Maa89, dlP87a, dlP89].
subpreschemes [Mum88c]. **subrings** [Bac86]. **subschemes** [Kle89].
subsemigroup [Res89]. **Subsequences** [CS89j, Ber88c, CS89e, Ray88].
subset [Mil87a, Njä88, Shi86t]. **Subsets**
 [Dun88, Kec88c, AOR88, EH88a, Mat89a, Maw88, MN88d, Mil87a].
subshifts [HN88]. **subspace** [CT88, Rea88, Vas86]. **Subspaces**
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 [Lio86]. **Unconditional** [CS89k]. **unconstrained** [Kiw85a, Kiw85g].
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[Bus88b]. **unitaires** [MVW87f]. **unitarity** [Bar87a]. **Unitary** [DLdS87, FA89, AHKHK89, BSK87a, GvW89, Hid89, Kam89a, Que87k, Rei89j]. **unité** [AAGV85]. **units** [LN89]. **unity** [Lam88, SS85d]. **univalence** [Koe88]. **univalent** [Aha87, CM87c, Fit87a, Fuk88a]. **Universal** [AC85, HLM85a, Sch86f, She87d, Ale85, FT87b, Gla85, HKW89, HLM88, Com85]. **universality** [GK88a]. **universe** [LM86c]. **universelles** [Bea86b]. **Université** [JY85, LL86]. **University** [AH85a, CCCN85, CCCN87, DH85b, Hop89a, RLQ85]. **Unobstructed** [MR89c]. **Unramified** [Far87b]. **unsolved** [Mei86a]. **Unstable** [Lai86, CGMM87]. **Untergruppenverbände** [Sch87f]. **Untersuchungen** [Kir85b, Kir87b, KP87b]. **Untwisted** [Kan89]. **update** [Hin89]. **upper** [HG89, ST89i]. **ups** [Har88b]. **Upwind** [Roe87, Spe86]. **Urysohn** [Mil87b]. **USA** [BDH⁺85, KS85a, RLQ85]. **Usco** [Phe89f]. **use** [Dau87, Spe86, Tay86]. **useful** [Lin88b]. **Using** [Kee87, All85b, BCSSC85, Bra86a, Mét87, Nev87, dLQ89]. **USSR** [KZ85b]. **utilizing** [BT86b]. **Uzhgorod** [KZ85b].

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[Bui86c, CS87a, EEK88, GI85, Mum88x, Ben86a, BS89d, CH89b, DH88, Ein88, Eke86a, HR88b, Jon88, Kan85, Kis85, LW88, Mas87, Mor86d, Mum88e, Mum88f, Mum88u, Nat85a, Pat87, Pix85, Rob88, Sch89e, Sil89a, Sil89b, Sil89d, Som86, Str87a, sT89a, Wu86, vdG89]. **variety** [Car85b, EPS87, LW89, Wei87v]. **Various** [Wan87h, HW88]. **Varna** [KPZ87]. **varying** [HL88b, Lóp88, jQxQ88]. **Vector** [Bou88c, Rei89f, ST88, Tor87a, App88, BW88, Bli86, BG89d, Cam88, CS89g, CS89j, Che86d, Dem88, Dum85b, ES87b, Got88, GZ86b, HH86, HS86, Kal86a, Kal86b, Kog86e, Kog86g, Mar86c, Mat86e, MH88a, Mod87, Nar87, Rao87, Rei89g, RW85, SB88, Sha87, SW89c, Tor87c, dM88]. **Vector-valued** [Bou88c, Kal86b]. **vectorfield** [Sev86c]. **vectorfields** [Bra86k, Bry89a, Sev86a, Sev86d, Sev86f, Sev86g]. **vectoriel** [Mar85]. **vectorielles** [Alt89, Fer89]. **vectors** [Jos87a, Jos87b, LeP89b, Lis89, Sán85a, SW87, dA85b]. **Venant** [Ieş87c, Ieş87d]. **Venezuela** [Di 85]. **Ventsel** [BCM88]. **verification** [KSX87]. **Veronese** [Bac86, Hul85]. **Vers** [Kai87c, AD85b]. **Verschlingung** [tDL85]. **Verschlingungszahlen** [tDL86]. **version** [BR85a, Cae86, LC85a, Str85a, ST89n, Wit88a]. **versions** [Owe86, Waa89]. **versus** [EEK88]. **vertex** [BW85b]. **vertical** [Ulr88a, Ulr88b]. **Verwandte** [KPT85]. **VI** [DS89, JY85]. **via** [And86a, Cha85a, FG88, Fis87a, Fra89, Gri86c, Gro87c, MR87, McC86b, Mor89, RS85a, Sch88h, Tur88a, tW87c]. **vibrating** [Fil85]. **Victoris** [CGC88]. **view** [Bér86f, Dre85]. **Viewing** [Noc86]. **viewpoint** [KP86b]. **views** [Pie88b]. **vignettes** [Fad89]. **VII** [Gal89]. **VIII** [Hey86]. **Virasoro** [BMS87, Bry89a]. **Virtual** [Fie88j]. **viscoelastic** [Bol88]. **Viscosity** [Lio89, Eva87, KK89a, Lio85, Tad87]. **viscous** [GR85d, Neu86c]. **VMO** [MS89c]. **Vogan** [BSK87b]. **voisinage** [Tho88]. **Vojta** [Lan85b]. **Vollständig** [Gol87b]. **Vollständige** [Gol87c]. **Volterra** [MH88d]. **Volume** [Mil85e, AV88a, CMS89, GV87, Gro87a, LM86a, Mil87b]. **Volumes** [Bal89, Hol89c, Gra85b]. **vom** [Wei86i]. **vortex** [Gar88a, Gus87]. **voter** [CG86b]. **Vries** [Sch86j, Sch86l, Sch86m, Sch86o, Sch86p].

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References

Andrews:1985:COP

- [AA85] George E. Andrews and Richard Askey. Classical orthogonal polynomials. *Lecture Notes in Mathematics*, 1171:36–62, 1985. CODEN LNMAA2. ISBN 3-540-16059-0 (print), 3-540-39743-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076530/>.

Abd-Alla:1986:DRB

- [AA86] Mohamed Abd-Alla. Domaines de Reinhardt bornés homogènes de $\mathcal{E}(s, \mathbf{C})$. (French) []. *Lecture Notes in Mathematics*, 1198:1–34, 1986. CODEN LNMAA2. ISBN 3-540-16762-5 (print), 3-540-38729-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077040/>.

Ayupov:1989:INA

- [AA89] Sh. A. Ayupov and R. Z. Abdullaev. On isometries of non associative L_p -spaces. *Lecture Notes in Mathematics*, 1396:99–106, 1989. CODEN LNMAA2. ISBN 3-540-51613-1 (print), 3-540-46713-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083547/>.

Alfaro:1985:CES

- [AAGV85] M. Alfaro, Ma. P. Alfaro, J. J. Guadalupe, and L. Vigil. Correspondance enter suites de polynômes orthogonaux et fonctions de la boule unité de $H^\infty(D)$. (French) []. *Lecture Notes in Mathematics*, 1171:158–163, 1985. CODEN LNMAA2. ISBN 3-540-16059-0 (print), 3-540-39743-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076540/>.

Archbold:1985:FSA

- [AB85] R. J. Archbold and C. J. K. Batty. Factor states on C^* -algebras. *Lecture Notes in Mathematics*, 1132:12–16, 1985. CODEN LN-

MAA2. ISBN 3-540-15643-7 (print), 3-540-39514-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074875/>.

Ashbaugh:1987:RFT

- [AB87] Mark S. Ashbaugh and Rafael Benguria. On the ratio of the first two eigenvalues of Schrödinger operators with positive potentials. *Lecture Notes in Mathematics*, 1285:16–25, 1987. CODEN LNMAA2. ISBN 3-540-18479-1 (print), 3-540-47983-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080577/>.

Accardi:1989:CLS

- [AB89] L. Accardi and A. Bach. Central limits of squeezing operators. *Lecture Notes in Mathematics*, 1396:7–19, 1989. CODEN LNMAA2. ISBN 3-540-51613-1 (print), 3-540-46713-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083541/>.

Abadie:1986:GRG

- [Aba86] J. Abadie. Generalized reduced gradient and global Newton methods. *Lecture Notes in Mathematics*, 1190:1–20, 1986. CODEN LNMAA2. ISBN 3-540-16476-6 (print), 3-540-39817-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076700/>.

Austin:1985:FIR

- [ABB85] D. Austin, A. Bellow, and N. Bouzar. The Fatou inequality revisited. — variations on a theme by A. Dvoretzky. *Lecture Notes in Mathematics*, 1153:17–39, 1985. CODEN LNMAA2. ISBN 3-540-15704-2 (print), 3-540-39645-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074944/>.

Alexander:1986:CUR

- [ABB86] Stephanie B. Alexander, I. David Berg, and Richard L. Bishop. Cauchy uniqueness in the Riemannian obstacle problem. *Lecture Notes in Mathematics*, 1209:1–7, 1986. CODEN LNMAA2. ISBN 3-540-16801-X (print), 3-540-44844-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076617/>.

Albeverio:1985:TSM

- [ABC⁺85] S. Albeverio, Ph. Blanchard, Ph. Combe, R. Rodriguez, M. Sirugue, and M. Sirugue-Collin. Trapping in stochastic mechanics and applications to covers of clouds and radiation belts. *Lecture Notes in Mathematics*, 1136:24–39, 1985. CODEN LNMAA2. ISBN 3-540-15661-5 (print), 3-540-39570-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074456/>.

Abels:1987:CPC

- [Abe87a] Herbert Abels. Compact presentability and contracting automorphisms. *Lecture Notes in Mathematics*, 1261:15–26, 1987. CODEN LNMAA2. ISBN 3-540-17975-5 (print), 3-540-47198-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079710/>.

Abels:1987:FLA

- [Abe87b] Herbert Abels. Filtrations of Lie algebras and groups. *Lecture Notes in Mathematics*, 1261:27–48, 1987. CODEN LNMAA2. ISBN 3-540-17975-5 (print), 3-540-47198-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079711/>.

Abels:1987:FPA

- [Abe87c] Herbert Abels. *Finite Presentability of S-Arithmetic Groups Compact Presentability of Solvable Groups*, volume 1261 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-17975-5 (print), 3-540-47198-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). vi + 178 pp. LCCN QA3.L28 no. 1261. URL <http://link.springer.com/book/10.1007/BFb0079708>; <http://www.springerlink.com/content/978-3-540-47198-1>.

Abels:1987:INC

- [Abe87d] Herbert Abels. Implications of the necessary condition. *Lecture Notes in Mathematics*, 1261:61–89, 1987. CODEN LNMAA2. ISBN 3-540-17975-5 (print), 3-540-47198-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079713/>.

Abels:1987:I

- [Abe87e] Herbert Abels. Introduction. *Lecture Notes in Mathematics*, 1261: 1–14, 1987. CODEN LNMAA2. ISBN 3-540-17975-5 (print), 3-540-47198-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079709/>.

Abels:1987:NCC

- [Abe87f] Herbert Abels. A necessary condition for compact presentability. *Lecture Notes in Mathematics*, 1261:49–60, 1987. CODEN LNMAA2. ISBN 3-540-17975-5 (print), 3-540-47198-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079712/>.

Abels:1987:AG

- [Abe87g] Herbert Abels. S -arithmetic groups. *Lecture Notes in Mathematics*, 1261:123–145, 1987. CODEN LNMAA2. ISBN 3-540-17975-5 (print), 3-540-47198-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079715/>.

Abels:1987:ASG

- [Abe87h] Herbert Abels. S -arithmetic solvable groups. *Lecture Notes in Mathematics*, 1261:146–168, 1987. CODEN LNMAA2. ISBN 3-540-17975-5 (print), 3-540-47198-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079716/>.

Abels:1987:SH

- [Abe87i] Herbert Abels. The second homology. *Lecture Notes in Mathematics*, 1261:90–122, 1987. CODEN LNMAA2. ISBN 3-540-17975-5 (print), 3-540-47198-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079714/>.

Albeverio:1985:QML

- [ABGS85] S. Albeverio, Ph. Blanchard, F. Gesztesy, and L. Streit. Quantum mechanical low energy scattering in terms of diffusion processes. *Lecture Notes in Mathematics*, 1109:207–227, 1985. CODEN LNMAA2. ISBN 3-540-13914-1 (print), 3-540-39138-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101546/>.

Albeverio:1985:RNL

- [ABHK85] S. Albeverio, Ph. Blanchard, and R. Høegh-Krohn. Reduction of non linear problems to Schrödinger or heat equations: Formation of Kepler orbits, singular solutions for hydrodynamical equations. *Lecture Notes in Mathematics*, 1109:189–206, 1985. CODEN LNMAA2. ISBN 3-540-13914-1 (print), 3-540-39138-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101545/>.

Almgren:1988:CAL

- [ABL88] F. Almgren, W. Browder, and E. H. Lieb. Co-area, liquid crystals, and minimal surfaces. *Lecture Notes in Mathematics*, 1306:1–22, 1988. CODEN LNMAA2. ISBN 3-540-19097-X (print), 3-540-39107-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082921/>.

Albeverio:1986:SPM

- [ABS86] Sergio A. Albeverio, Philippe Blanchard, and Ludwig Streit, editors. *Stochastic Processes — Mathematics and Physics: Proceedings of the 1st BiBoS-Symposium held in Bielefeld, West Germany, September 10–15, 1984*, volume 1158 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-15998-3 (print), 3-540-39703-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1158. URL <http://link.springer.com/book/10.1007/BFb0080206>; <http://www.springerlink.com/content/978-3-540-39703-8>.

Albeverio:1987:SPM

- [ABS87] Sergio Albeverio, Philippe Blanchard, and Ludwig Streit, editors. *Stochastic Processes — Mathematics and Physics II: Proceedings of the 2nd BiBoS Symposium held in Bielefeld, West Germany, April 15–19, 1985*, volume 1250 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-17797-3 (print), 3-540-47835-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1250. URL <http://link.springer.com/book/10.1007/BFb0077343>; <http://www.springerlink.com/content/978-3-540-47835-5>.

Adams:1985:UTP

- [AC85] M. E. Adams and D. M. Clark. Universal terms for pseudo-complemented distributive lattices and Heyting algebras. *Lecture Notes in Mathematics*, 1149:1–16, 1985. CODEN LNMAA2. ISBN 3-540-15691-7 (print), 3-540-39638-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098451/>.

Antolin:1987:SAF

- [AC87] J. Antolin and A. Cruz. A Stieltjes analysis of the $K^+ - p$ forward elastic amplitude. *Lecture Notes in Mathematics*, 1237:251–269, 1987. CODEN LNMAA2. ISBN 3-540-17212-2 (print), 3-540-47412-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072469/>.

Accardi:1988:NMN

- [Acc88] Luigi Accardi. A note on Meyer's note. *Lecture Notes in Mathematics*, 1303:1–5, 1988. CODEN LNMAA2. ISBN 3-540-18919-X (print), 3-540-38846-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078050/>.

Accardi:1989:CTE

- [Acc89] Luigi Accardi. Cecchini's transition expectations and Markov chains. *Lecture Notes in Mathematics*, 1396:1–6, 1989. CODEN LNMAA2. ISBN 3-540-51613-1 (print), 3-540-46713-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083540/>.

Arad:1985:GSC

- [ACM85] Zvi Arad, David Chillag, and Gadi Moran. Groups with a small covering number. *Lecture Notes in Mathematics*, 1112:222–244, 1985. CODEN LNMAA2. ISBN 3-540-13916-8 (print), 3-540-39142-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072289/>.

Andreka:1985:COR

- [ACN85] H. Andréka, S. D. Comer, and I. Németi. Clones of operations on relations. *Lecture Notes in Mathematics*, 1149:17–21, 1985. CODEN LNMAA2. ISBN 3-540-15691-7 (print), 3-540-39638-1

(e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098452/>.

Albeverio:1985:SAC

- [ACSC85] Sergio Albeverio, Philippe Combe, and Madeleine Sirugue-Collin, editors. *Stochastic Aspects of Classical and Quantum Systems: Proceedings of the 2nd French-German Encounter in Mathematics and Physics, held in Marseille, France, March 28-April 1, 1983*, volume 1109 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-13914-1 (print), 3-540-39138-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1109. URL <http://link.springer.com/book/10.1007/BFb0101532>; <http://www.springerlink.com/content/978-3-540-39138-8>.

Arbarello:1985:ATC

- [AD85a] Enrico Arbarello and Corrado De Concini. An analytical translation of a criterion of Welters and its relation with the K.P. Hierarchy. *Lecture Notes in Mathematics*, 1124:1–20, 1985. CODEN LNMAA2. ISBN 3-540-15232-6 (print), 3-540-39643-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074993/>.

Azencott:1985:LSQ

- [AD85b] R. Azencott and H. Doss. L'Équation de Schrödinger quand h tend vers zéro; une approche probabiliste. (French) [Schrödinger's equation when h tends toward zero: a probabilistic approach]. *Lecture Notes in Mathematics*, 1109:1–17, 1985. CODEN LNMAA2. ISBN 3-540-13914-1 (print), 3-540-39138-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101533/>.

Adams:1988:NCI

- [Ada88] David R. Adams. A note on Choquet integrals with respect to Hausdorff capacity. *Lecture Notes in Mathematics*, 1302:115–124, 1988. CODEN LNMAA2. ISBN 3-540-18905-X (print), 3-540-38841-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078867/>.

Adem:1989:HRF

- [Ade89] Alejandro Adem. Homology representations of finite transformation groups. *Lecture Notes in Mathematics*, 1370:15–23, 1989. CODEN LNMAA2. ISBN 3-540-51118-0 (print), 3-540-46160-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085215/>.

Adib:1987:EFM

- [Adi87] Khalid Filali Adib. Étude des fonctions méromorphes sur certains espaces fibrés. (French) []. *Lecture Notes in Mathematics*, 1295:59–95, 1987. CODEN LNMAA2. ISBN 3-540-18691-3 (print), 3-540-48084-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081978/>.

Adjamagbo:1987:STD

- [Adj87] Kossivi Adjamagbo. Synthèse de la théorie du déterminant sur un anneau finement filtré. (French) []. *Lecture Notes in Mathematics*, 1296:1–27, 1987. CODEN LNMAA2. ISBN 3-540-18690-5 (print), 3-540-48081-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078521/>.

Adomian:1987:ASO

- [Ado87] G. Adomian. Analytical solutions for ordinary and partial differential equations. *Lecture Notes in Mathematics*, 1285:1–15, 1987. CODEN LNMAA2. ISBN 3-540-18479-1 (print), 3-540-47983-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080576/>.

Aron:1985:WCF

- [ADR85] R. M. Aron, J. Diestel, and A. K. Rajappa. Weakly continuous functions on Banach spaces containing ℓ_1 . *Lecture Notes in Mathematics*, 1166:1–3, 1985. CODEN LNMAA2. ISBN 3-540-16051-5 (print), 3-540-39736-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074685/>.

Abou-El-Ela:1985:SRS

- [AEE85] A. M. A. Abou-El-Ela. A stability result for the solutions of a certain system of third-order differential equations. *Lecture Notes in Mathematics*, 1151:1–8, 1985. CODEN LNMAA2. ISBN

3-540-15694-1 (print), 3-540-39640-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074709/>.

Accardi:1988:SI

- [AF88] Luigi Accardi and Franco Fagnola. Stochastic integration. *Lecture Notes in Mathematics*, 1303:6–19, 1988. CODEN LNMAA2. ISBN 3-540-18919-X (print), 3-540-38846-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078051/>.

Afanaseva:1985:PDW

- [Afa85] L. G. Afanas'eva. On periodic distribution of waiting-time process. *Lecture Notes in Mathematics*, 1155:1–20, 1985. CODEN LNMAA2. ISBN 3-540-15985-1 (print), 3-540-39686-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074810/>.

Accardi:1989:WCL

- [AFL89] L. Accardi, A. Frigerio, and Yun Gang Lu. On the weak coupling limit problem. *Lecture Notes in Mathematics*, 1396:20–58, 1989. CODEN LNMAA2. ISBN 3-540-51613-1 (print), 3-540-46713-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083542/>.

Arazy:1987:MIS

- [AFP87] J. Arazy, S. Fisher, and J. Peetre. Möbius invariant spaces of analytic functions. *Lecture Notes in Mathematics*, 1275:10–22, 1987. CODEN LNMAA2. ISBN 3-540-18356-6 (print), 3-540-47899-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078341/>.

Arazy:1988:BNR

- [AFP88] J. Arazy, S. D. Fisher, and J. Peetre. Besov norms of rational functions. *Lecture Notes in Mathematics*, 1302:125–129, 1988. CODEN LNMAA2. ISBN 3-540-18905-X (print), 3-540-38841-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078868/>.

Alamo:1989:STA

- [AG89] N. Alamo and F. Gómez. Smooth toral actions on principal bundles and characteristic classes. *Lecture Notes in Mathematics*, 1410:1–26, 1989. CODEN LNMAA2. ISBN 3-540-51885-1

(print), 3-540-46858-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086408/>.

Agaian:1985:AHM

- [Aga85a] S. S. Agaian. Application of Hadamard matrices. *Lecture Notes in Mathematics*, 1168:134–177, 1985. CODEN LNMAA2. ISBN 3-540-16056-6 (print), 3-540-39740-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101077/>.

Agaian:1985:CCH

- [Aga85b] S. S. Agaian. Construction of classic Hadamard matrices. *Lecture Notes in Mathematics*, 1168:11–102, 1985. CODEN LNMAA2. ISBN 3-540-16056-6 (print), 3-540-39740-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101075/>.

Agaian:1985:CGH

- [Aga85c] S. S. Agaian. Construction of generalized Hadamard matrices. *Lecture Notes in Mathematics*, 1168:103–133, 1985. CODEN LNMAA2. ISBN 3-540-16056-6 (print), 3-540-39740-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101076/>.

Agaian:1985:HMT

- [Aga85d] S. S. Agaian. *Hadamard Matrices and Their Applications*, volume 1168 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-16056-6 (print), 3-540-39740-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). iii + 227 pp. LCCN QA3 .L28 no. 1168. URL [http://link.springer.com/book/10.1007/BFb0101073](http://link.springer.com/book/10.1007/BFb0101073;); <http://www.springerlink.com/content/978-3-540-39740-3>.

Agaian:1985:I

- [Aga85e] S. S. Agaian. Introduction. *Lecture Notes in Mathematics*, 1168:1–10, 1985. CODEN LNMAA2. ISBN 3-540-16056-6 (print), 3-540-39740-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101074/>.

Agarwal:1986:PC

- [Aga86a] A. K. Agarwal. Partitions with ‘ N copies of N ’. *Lecture Notes in Mathematics*, 1234:1–4, 1986. CODEN LNMAA2. ISBN 3-540-17207-6 (print), 3-540-47402-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072504/>.

Agarwal:1986:GMC

- [Aga86b] R. P. Agarwal. On Gel’fand’s method of chasing for solving multipoint boundary value problems. *Lecture Notes in Mathematics*, 1192:267–274, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076080/>.

Albeverio:1986:SOP

- [AGHK⁺86] S. Albeverio, F. Gesztesy, R. Høegh-Krohn, H. Holden, and W. Kirsch. The Schrödinger operator for a particle in a solid with deterministic and stochastic point interactions. *Lecture Notes in Mathematics*, 1218:1–38, 1986. CODEN LNMAA2. ISBN 3-540-16826-5 (print), 3-540-47119-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073042/>.

Agmon:1985:BED

- [Agm85] Shmuel Agmon. Bounds on exponential decay of eigenfunctions of Schrödinger operators. *Lecture Notes in Mathematics*, 1159:1–38, 1985. CODEN LNMAA2. ISBN 3-540-16035-3 (print), 3-540-39706-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080331/>; <http://link.springer.com/content/pdf/bfm:978-3-540-39706-9/1.pdf>.

Alexander:1985:GTP

- [AH85a] James C. Alexander and John L. Harer, editors. *Geometry and Topology: Proceedings of the Special Year held at the University of Maryland, College Park 1983–1984*, volume 1167 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-16053-1 (print), 3-540-39738-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3

.L28 no. 1167. URL <http://link.springer.com/book/10.1007/BFb0075212>; <http://www.springerlink.com/content/978-3-540-39738-0>.

Arad:1985:PCC

- [AH85b] Zvi Arad and Marcel Herzog. *Products of Conjugacy Classes in Groups*, volume 1112 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-13916-8 (print), 3-540-39142-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). i + 244 pp. LCCN QA3 .L28 no. 1112. URL <http://link.springer.com/book/10.1007/BFb0072284>; <http://www.springerlink.com/content/978-3-540-39142-5>.

Avramov:1986:TLG

- [AH86] Luchezar Avramov and Stephen Halperin. Through the looking glass: a dictionary between rational homotopy theory and local algebra. *Lecture Notes in Mathematics*, 1183:1–27, 1986. CODEN LNMAA2. ISBN 3-540-16453-7 (print), 3-540-39790-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075446/>.

Azema:1989:PRP

- [AH89] J. Azéma and K. Hamza. La propriété de représentation prévisible dans la filtration naturelle d'un ensemble régénératif. (French) []. *Lecture Notes in Mathematics*, 1372:131–138, 1989. CODEN LNMAA2. ISBN 3-540-51191-1 (print), 3-540-46176-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083963/>.

Aharonov:1987:BTG

- [Aha87] Dov Aharonov. Bazilevič theorem and the growth of univalent functions. *Lecture Notes in Mathematics*, 1275:1–9, 1987. CODEN LNMAA2. ISBN 3-540-18356-6 (print), 3-540-47899-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078340/>.

Albeverio:1985:RDS

- [AHK85] Sergio Albeverio and Raphael Høegh-Krohn. A remark on dynamical semigroups in terms of diffusion processes. *Lecture Notes in Mathematics*, 1136:40–45, 1985. CODEN LNMAA2. ISBN 3-540-15661-5 (print), 3-540-39570-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074457/>.

Albeverio:1986:SLG

- [AHKH86] Sergio Albeverio, Raphael Høegh-Krohn, and Helge Holden. Stochastic Lie group-valued measures and their relations to stochastic curve integrals, gauge fields and Markov cosurfaces. *Lecture Notes in Mathematics*, 1158:1–24, 1986. CODEN LNMAA2. ISBN 3-540-15998-3 (print), 3-540-39703-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080207/>.

Albeverio:1989:CFK

- [AHKHK89] S. Albeverio, R. Høegh-Krohn, H. Holden, and T. Kolsrud. A covariant Feynman–Kac formula for unitary bundles over Euclidean space. *Lecture Notes in Mathematics*, 1390:1–12, 1989. CODEN LNMAA2. ISBN 3-540-51510-0 (print), 3-540-48200-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083931/>.

Aldous:1985:EEP

- [AIJH85] D. J. (David J.) Aldous, I. A. (Ildar Abdulovich) Ibragimov, Jean Jacod, and Paul Louis Hennequin, editors. *École d'Été de Probabilités de Saint-Flour XIII — 1983. (French) [Saint-Flour Summer School on Probability XIII — 1983]*, volume 1117 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15203-2 (print), 3-540-39316-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1117; QA3 .L28 no. 1117 QA273.18. URL <http://link.springer.com/book/10.1007/BFb0099420>; <http://www.springerlink.com/content/978-3-540-39316-0>.

Andrews:1989:VRR

- [AJBL89] George E. Andrews, Lisa Jacobsen, Bruce C. Berndt, and Robert L. Lamphere. Variations on the Rogers–Ramanujan continued fraction in Ramanujan’s notebooks. *Lecture Notes in Mathematics*, 1395:73–83, 1989. CODEN LNMAA2. ISBN 3-540-51595-X (print), 3-540-46681-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086400/>.

Accardi:1989:MDM

- [AJL89] L. Accardi, J.-L. Journé, and J. M. Lindsay. On multi-dimensional Markovian cocycles. *Lecture Notes in Mathematics*, 1396:59–

67, 1989. CODEN LNMAA2. ISBN 3-540-51613-1 (print), 3-540-46713-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083543/>.

Aptekarev:1987:APT

- [AK87] A. I. Aptekarev and V. A. Kalyagin. Analytic properties of two-dimensional continued P -fraction expansions with periodical coefficients and their simultaneous Padé–Hermite approximants. *Lecture Notes in Mathematics*, 1237:145–160, 1987. CODEN LNMAA2. ISBN 3-540-17212-2 (print), 3-540-47412-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072461/>.

Alimpic:1988:SCR

- [AK88] Branka P. Alimpić and Dragica N. Krgović. Some congruences on regular semigroups. *Lecture Notes in Mathematics*, 1320:1–10, 1988. CODEN LNMAA2. ISBN 3-540-19347-2 (print), 3-540-39225-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083419/>.

Akin:1989:BBS

- [Aki89] Ömer Akin. Boundary behaviour of solutions to the Generalised Weinstein Equation. *Lecture Notes in Mathematics*, 1393:24–38, 1989. CODEN LNMAA2. ISBN 3-540-51592-5 (print), 3-540-46675-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085769/>.

Akkouchi:1988:CDN

- [Akk88] Mohamed Akkouchi. Une caractérisation du noyau de Poisson d'un arbre homogène. (French) []. *Lecture Notes in Mathematics*, 1359:52–59, 1988. CODEN LNMAA2. ISBN 3-540-50524-5 (print), 3-540-46032-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086587/>.

Arnold:1986:LEL

- [AKO86] L. Arnold, W. Kliemann, and E. Oeljeklaus. Lyapunov exponents of linear stochastic systems. *Lecture Notes in Mathematics*, 1186:85–125, 1986. CODEN LNMAA2. ISBN 3-540-16458-8

(print), 3-540-39795-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076835/>.

Anick:1986:HSF

- [AL86] David Anick and Clas Löfwall. Hilbert series of finitely presented algebras. *Lecture Notes in Mathematics*, 1183:32–55, 1986. CODEN LNMAA2. ISBN 3-540-16453-7 (print), 3-540-39790-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075448/>.

Alber:1988:IBV

- [AL88a] H.-D. Alber and R. Leis. Initial-boundary value and scattering problems in mathematical physics. *Lecture Notes in Mathematics*, 1357:23–60, 1988. CODEN LNMAA2. ISBN 3-540-50508-3 (print), 3-540-46024-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082861/>.

Aubry:1988:HAL

- [AL88b] Marc Aubry and Jean-Michel Lemaire. Homotopies d'algèbres de Lie et de leurs algèbres enveloppantes. (French) []. *Lecture Notes in Mathematics*, 1318:26–30, 1988. CODEN LNMAA2. ISBN 3-540-19340-5 (print), 3-540-39204-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077792/>.

Aulaskari:1988:SIC

- [AL88c] Rauno Aulaskari and Peter Lappan. Some integral conditions involving the spherical derivative. *Lecture Notes in Mathematics*, 1351:28–37, 1988. CODEN LNMAA2. ISBN 3-540-50370-6 (print), 3-540-45992-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081240/>.

Alaoui:1988:SVK

- [Ala88] Aziz El Kacimi Alaoui. Stabilité des V -variétés kähleriennes. (French) []. *Lecture Notes in Mathematics*, 1345:111–123, 1988. CODEN LNMAA2. ISBN 3-540-50226-2 (print), 3-540-45957-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081398/>.

Alber:1985:LET

- [Alb85] H.-D. Alber. A local existence theorem for the quasilinear wave equation with initial values of bounded variation. *Lecture Notes in Mathematics*, 1151:9–24, 1985. CODEN LNMAA2. ISBN 3-540-15694-1 (print), 3-540-39640-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074710/>.

Alber:1988:ELS

- [Alb88] H.-D. Alber. On the existence in the large of solutions to the one-dimensional, isentropic hydrodynamic equations in a bounded domain. *Lecture Notes in Mathematics*, 1357:1–22, 1988. CODEN LNMAA2. ISBN 3-540-50508-3 (print), 3-540-46024-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082860/>.

Aldous:1985:ERT

- [Ald85] David J. Aldous. Exchangeability and related topics. *Lecture Notes in Mathematics*, 1117:1–198, 1985. CODEN LNMAA2. ISBN 3-540-15203-2 (print), 3-540-39316-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099421/>.

Alexander:1985:NEU

- [Ale85] Kenneth S. Alexander. The non-existence of a universal multiplier moment for the central limit theorem. *Lecture Notes in Mathematics*, 1153:15–16, 1985. CODEN LNMAA2. ISBN 3-540-15704-2 (print), 3-540-39645-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074943>.

Alev:1986:AGF

- [Ale86] J. Alev. Action de groupes sur $A_1(\mathbf{C})$. (French) []. *Lecture Notes in Mathematics*, 1197:1–9, 1986. CODEN LNMAA2. ISBN 3-540-16496-0 (print), 3-540-39833-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076307/>.

Alexander:1987:PHL

- [Ale87] H. Alexander. Polynomial hulls and linear measure. *Lecture Notes in Mathematics*, 1276:1–11, 1987. CODEN LNMAA2. ISBN 3-540-18357-4 (print), 3-540-47904-X (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078949/>.

Alfonsi:1986:CNA

- [Alf86] B. Alfonsi. Conditions Noethériennes dans les anneaux gradués. (French) []. *Lecture Notes in Mathematics*, 1197:10–19, 1986. CODEN LNMAA2. ISBN 3-540-16496-0 (print), 3-540-39833-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076308/>.

Alladi:1985:NTP

- [All85a] Krishnaswami Alladi, editor. *Number Theory: Proceedings of the 4th Matscience Conference held at Ootacamund, India, January 5–10, 1984*, volume 1122 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15222-9 (print), 3-540-39642-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1122. URL [http://link.springer.com/book/10.1007/BFb0075746](http://link.springer.com/book/10.1007/BFb0075746;); <http://www.springerlink.com/content/978-3-540-39642-0>.

Alladi:1985:SMA

- [All85b] Krishnaswami Alladi. A study of the moments of additive functions using Laplace transforms and sieve methods. *Lecture Notes in Mathematics*, 1122:1–37, 1985. CODEN LNMAA2. ISBN 3-540-15222-9 (print), 3-540-39642-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075747/>.

Alladi:1989:DAF

- [All89] Krishnaswami Alladi. The distribution of additive functions in special sets of integers. *Lecture Notes in Mathematics*, 1395:21–63, 1989. CODEN LNMAA2. ISBN 3-540-51595-X (print), 3-540-46681-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086398/>.

Almorox:1987:STG

- [Alm87] Antonio López Almorox. Supergauge theories in graded manifolds. *Lecture Notes in Mathematics*, 1251:114–136, 1987. CODEN LNMAA2. ISBN 3-540-17816-3 (print), 3-540-47854-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077318/>.

Almeida:1988:PM

- [Alm88] Jorge Almeida. On pseudovarieties of monoids. *Lecture Notes in Mathematics*, 1320:11–17, 1988. CODEN LNMAA2. ISBN 3-540-19347-2 (print), 3-540-39225-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083420/>.

Alon:1989:PPE

- [Alo89] Noga Alon. Probabilistic proofs of existence of rare events. *Lecture Notes in Mathematics*, 1376:186–201, 1989. CODEN LNMAA2. ISBN 3-540-51303-5 (print), 3-540-46189-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0090055/>.

Alspach:1988:CTI

- [Als88] Dale E. Alspach. Complemented translation-invariant subspaces. *Lecture Notes in Mathematics*, 1332:112–125, 1988. CODEN LNMAA2. ISBN 3-540-50018-9 (print), 3-540-45892-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081614/>.

Alt:1988:SOT

- [Alt88] Hans Wilhelm Alt. On shape optimization of a turbine blade. *Lecture Notes in Mathematics*, 1357:61–95, 1988. CODEN LNMAA2. ISBN 3-540-50508-3 (print), 3-540-46024-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082862/>.

Alt:1989:FGL

- [Alt89] Jean-Christian Alt. Une forme générale de la loi forte des grands nombres pour des variables aléatoires vectorielles. (French) []. *Lecture Notes in Mathematics*, 1391:1–15, 1989. CODEN LNMAA2. ISBN 3-540-51548-8 (print), 3-540-48244-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083375/>.

Aluffi:1988:CNS

- [Alu88] Paolo Aluffi. The characteristic numbers of smooth plane cubics. *Lecture Notes in Mathematics*, 1311:1–8, 1988. CODEN LNMAA2. ISBN 3-540-19236-0 (print), 3-540-39157-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082905/>.

Alvarez:1988:ITS

- [AM88a] J. Alvarez and M. Milman. Interpolation of tent spaces and applications. *Lecture Notes in Mathematics*, 1302:11–21, 1988. CODEN LNMAA2. ISBN 3-540-18905-X (print), 3-540-38841-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078860/>.

Anderson:1988:ATB

- [AM88b] Douglas R. Anderson and Hans J. Munkholm. The algebraic topology of boundedly controlled spaces. *Lecture Notes in Mathematics*, 1323:40–98, 1988. CODEN LNMAA2. ISBN 3-540-19397-9 (print), 3-540-39249-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079808/>.

Anderson:1988:BCM

- [AM88c] Douglas R. Anderson and Hans J. Munkholm. Boundedly controlled manifolds and the s -cobordism theorem. *Lecture Notes in Mathematics*, 1323:212–259, 1988. CODEN LNMAA2. ISBN 3-540-19397-9 (print), 3-540-39249-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079812/>.

Anderson:1988:CTF

- [AM88d] Douglas R. Anderson and Hans J. Munkholm. Category theoretic foundations. *Lecture Notes in Mathematics*, 1323:1–39, 1988. CODEN LNMAA2. ISBN 3-540-19397-9 (print), 3-540-39249-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079807/>.

Anderson:1988:FPR

- [AM88e] Douglas R. Anderson and Hans J. Munkholm. Free and projective rpg modules the algebraic Whitehead groups of rpg. *Lecture Notes in Mathematics*, 1323:123–175, 1988. CODEN LNMAA2. ISBN 3-540-19397-9 (print), 3-540-39249-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079810/>.

Anderson:1988:GBC

- [AM88f] Douglas R. Anderson and Hans J. Munkholm. The geometric, boundedly controlled Whitehead group. *Lecture Notes in Mathematics*, 1323:99–122, 1988. CODEN LNMAA2. ISBN

3-540-19397-9 (print), 3-540-39249-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079809/>.

Anderson:1988:IBG

- [AM88g] Douglas R. Anderson and Hans J. Munkholm. The isomorphism between the geometric and algebraic Whitehead groups. *Lecture Notes in Mathematics*, 1323:176–211, 1988. CODEN LNMAA2. ISBN 3-540-19397-9 (print), 3-540-39249-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079811/>.

Anderson:1988:TC

- [AM88h] Douglas R. Anderson and Hans J. Munkholm. Toward computations. *Lecture Notes in Mathematics*, 1323:260–300, 1988. CODEN LNMAA2. ISBN 3-540-19397-9 (print), 3-540-39249-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079813/>.

Amar:1987:EPN

- [Ama87] Éric Amar. Estimations, par noyaux, des solutions de l'Équation $\bar{\partial}u = f$. (French) []. *Lecture Notes in Mathematics*, 1276:12–24, 1987. CODEN LNMAA2. ISBN 3-540-18357-4 (print), 3-540-47904-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078950/>.

Amberg:1989:IFG

- [Amb89] Bernhard Amberg. Infinite factorized groups. *Lecture Notes in Mathematics*, 1398:1–24, 1989. CODEN LNMAA2. ISBN 3-540-51695-6 (print), 3-540-46756-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086235/>.

Abdalass:1986:MSS

- [AMM86] E. M. Abdalass, J.-F. Maitre, and F. Musy. A multigrid solver for a stabilized finite element discretization of the Stokes problem. *Lecture Notes in Mathematics*, 1228:1–6, 1986. CODEN LNMAA2. ISBN 3-540-17198-3 (print), 3-540-47372-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072637/>.

Araki:1985:OAT

- [AMSV85] Huzihiro Araki, Calvin C. Moore, Şerban-Valentin Stratila, and Dan-Virgil Voiculescu, editors. *Operator Algebras and their Connections with Topology and Ergodic Theory: Proceedings of the OATE Conference held in Buşteni, Romania, Aug. 29–Sept. 9, 1983*, volume 1132 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15643-7 (print), 3-540-39514-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1132. URL <http://link.springer.com/book/10.1007/BFb0074873>; <http://www.springerlink.com/content/978-3-540-39514-0>.

Ancel:1987:APM

- [Anc87] Fredric D. Ancel. An alternative proof of M. Brown's theorem on inverse sequences of near homeomorphisms. *Lecture Notes in Mathematics*, 1283:1–2, 1987. CODEN LNMAA2. ISBN 3-540-18443-0 (print), 3-540-47975-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081413>.

Ancona:1988:PHF

- [Anc88] Alano Ancona. Positive harmonic functions and hyperbolicity. *Lecture Notes in Mathematics*, 1344:1–23, 1988. CODEN LNMAA2. ISBN 3-540-50210-6 (print), 3-540-45952-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0103341/>.

Andersson:1986:NAH

- [And86a] Stig I. Andersson. Non-abelian Hodge theory via heat flow. *Lecture Notes in Mathematics*, 1209:8–36, 1986. CODEN LNMAA2. ISBN 3-540-16801-X (print), 3-540-44844-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076618/>.

Andrzejewski:1986:EWf

- [And86b] Paweł Andrzejewski. The equivariant wall finiteness obstruction and Whitehead torsion. *Lecture Notes in Mathematics*, 1217:11–25, 1986. CODEN LNMAA2. ISBN 3-540-16824-9 (print), 3-540-47097-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072812/>.

Andler:1987:RDB

- [And87a] Martin Andler. Relationships of divisibility between local L -functions associated to representations of complex reductive groups. *Lecture Notes in Mathematics*, 1243:1–14, 1987. CODEN LNMAA2. ISBN 3-540-17701-9 (print), 3-540-47775-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073015/>.

Andre:1987:QDG

- [And87b] Yves André. Quatre descriptions des groupes de Galois différentiels. (French) []. *Lecture Notes in Mathematics*, 1296:28–41, 1987. CODEN LNMAA2. ISBN 3-540-18690-5 (print), 3-540-48081-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078522/>.

Anderson:1988:HFC

- [And88] Michael T. Anderson. L^2 harmonic forms on complete Riemannian manifolds. *Lecture Notes in Mathematics*, 1339:1–19, 1988. CODEN LNMAA2. ISBN 3-540-50113-4 (print), 3-540-45930-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083043/>.

Andrews:1989:ISR

- [And89] George E. Andrews. An identity of Sylvester and the Rogers–Ramanujan identities. *Lecture Notes in Mathematics*, 1395:64–72, 1989. CODEN LNMAA2. ISBN 3-540-51595-X (print), 3-540-46681-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086399/>.

Anick:1986:RHA

- [Ani86] David J. Anick. A rational homotopy analog of Whitehead’s problem. *Lecture Notes in Mathematics*, 1183:28–31, 1986. CODEN LNMAA2. ISBN 3-540-16453-7 (print), 3-540-39790-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075447/>.

Anick:1988:RPH

- [Ani88] David J. Anick. Recent progress in Hilbert and Poincaré series. *Lecture Notes in Mathematics*, 1318:1–25, 1988. CODEN LNMAA2. ISBN 3-540-19340-5 (print), 3-540-39204-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077791/>.

Anick:1989:HES

- [Ani89] David J. Anick. Homotopy exponents for spaces of category two. *Lecture Notes in Mathematics*, 1370:24–52, 1989. CODEN LNMAA2. ISBN 3-540-51118-0 (print), 3-540-46160-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085216/>.

Anker:1988:NCE

- [Ank88] Jean-Philippe Anker. Le noyau de la chaleur sur les espaces symétriques $U(p, q)/U(p) \times U(q)$. (French) []. *Lecture Notes in Mathematics*, 1359:60–82, 1988. CODEN LNMAA2. ISBN 3-540-50524-5 (print), 3-540-46032-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086588/>.

Antman:1985:BPA

- [Ant85] Stuart S. Antman. Bifurcation problems associated with nonlinear wave propagation. *Lecture Notes in Mathematics*, 1151:25–34, 1985. CODEN LNMAA2. ISBN 3-540-15694-1 (print), 3-540-39640-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074711/>.

Accardi:1985:PAF

- [AO85] Luigi Accardi and Stefano Olla. On the polaron asymptotics at finite coupling constant. *Lecture Notes in Mathematics*, 1136:1–8, 1985. CODEN LNMAA2. ISBN 3-540-15661-5 (print), 3-540-39570-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074454/>.

Alspach:1988:AWN

- [AO88] D. Alspach and E. Odell. Averaging weakly null sequences. *Lecture Notes in Mathematics*, 1332:126–144, 1988. CODEN LNMAA2. ISBN 3-540-50018-9 (print), 3-540-45892-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081615/>.

Arnold:1986:ASM

- [AOP86] L. Arnold, E. Oeljeklaus, and É. Pardoux. Almost sure and moment stability for linear Itô equations. *Lecture Notes in Mathematics*, 1186:129–159, 1986. CODEN LNMAA2. ISBN 3-540-16458-8

(print), 3-540-39795-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076837/>.

Argyros:1988:CCS

- [AOR88] S. Argyros, E. Odell, and H. Rosenthal. On certain convex subsets of c_0 . *Lecture Notes in Mathematics*, 1332:80–111, 1988. CODEN LNMAA2. ISBN 3-540-50018-9 (print), 3-540-45892-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081613/>.

Aoyama:1986:ERC

- [Aoy86] Yōichi Aoyama. On endomorphism rings of canonical modules (joint work with Shiro Goto). *Lecture Notes in Mathematics*, 1183:56–58, 1986. CODEN LNMAA2. ISBN 3-540-16453-7 (print), 3-540-39790-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075449/>.

Accardi:1985:SCL

- [AP85a] Luigi Accardi and K. R. Parthasarathy. Stochastic calculus on local algebras. *Lecture Notes in Mathematics*, 1136:9–23, 1985. CODEN LNMAA2. ISBN 3-540-15661-5 (print), 3-540-39570-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074455/>.

Allday:1985:LTC

- [AP85b] C. Allday and V. Puppe. On the localization theorem at the cochain level and free torus actions. *Lecture Notes in Mathematics*, 1172:1–16, 1985. CODEN LNMAA2. ISBN 3-540-16061-2 (print), 3-540-39745-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074421/>; <http://link.springer.com/content/pdf/bfm:978-3-540-39745-8/1.pdf>.

Allday:1986:BTR

- [AP86] C. Allday and V. Puppe. Bounds on the torus rank. *Lecture Notes in Mathematics*, 1217:1–10, 1986. CODEN LNMAA2. ISBN 3-540-16824-9 (print), 3-540-47097-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072811/>.

Alexander:1988:DFB

- [AP88] J. C. Alexander and William Parry. Discerning fat Baker's transformations. *Lecture Notes in Mathematics*, 1342:1–6, 1988. CODEN LNMAA2. ISBN 3-540-50174-6 (print), 3-540-45946-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082820/>.

Anile:1989:IRW

- [AP89] A. M. Anile and S. Pennisi. An improved relativistic warm plasma model. *Lecture Notes in Mathematics*, 1385:238–256, 1989. CODEN LNMAA2. ISBN 3-540-51466-X (print), 3-540-48142-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084032/>.

Applebaum:1985:QFS

- [App85] David Applebaum. Quasi-free stochastic evolutions. *Lecture Notes in Mathematics*, 1136:46–56, 1985. CODEN LNMAA2. ISBN 3-540-15661-5 (print), 3-540-39570-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074458/>.

Applebaum:1988:QSP

- [App88] David Applebaum. Quantum stochastic parallel transport on non-commutative vector bundles. *Lecture Notes in Mathematics*, 1303:20–36, 1988. CODEN LNMAA2. ISBN 3-540-18919-X (print), 3-540-38846-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078052/>.

Arrondo:1989:RSR

- [APS89] E. Arrondo, M. Pedreira, and I. Sols. On regular and stable ruled surfaces in P^3 . *Lecture Notes in Mathematics*, 1389:1–15, 1989. CODEN LNMAA2. ISBN 3-540-51509-7 (print), 3-540-48188-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085919/>.

Auslander:1987:ASS

- [AR87] Maurice Auslander and Idun Reiten. Almost split sequences for \mathbf{Z} -graded rings. *Lecture Notes in Mathematics*, 1273:232–243, 1987. CODEN LNMAA2. ISBN 3-540-18263-2 (print), 3-540-47851-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078847/>.

Araki:1985:EPS

- [Ara85] Huzihiro Araki. Ergodic properties of some C^* -dynamical systems. *Lecture Notes in Mathematics*, 1132:1–11, 1985. CODEN LNMAA2. ISBN 3-540-15643-7 (print), 3-540-39514-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074874/>.

Arazy:1987:AID

- [Ara87] Jonathan Arazy. An application of infinite dimensional holomorphy to the geometry of Banach spaces. *Lecture Notes in Mathematics*, 1267:122–150, 1987. CODEN LNMAA2. ISBN 3-540-18103-2 (print), 3-540-47771-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078141/>.

Ara:1988:SRA

- [Ara88] Pere Ara. Stable range of aleph-nought-continuous regular rings. *Lecture Notes in Mathematics*, 1328:1–7, 1988. CODEN LNMAA2. ISBN 3-540-19474-6 (print), 3-540-39278-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100909/>.

Arbib:1989:PAP

- [Arb89] Claudio Arbib. A polynomial algorithm for partitioning line-graphs. *Lecture Notes in Mathematics*, 1403:198–208, 1989. CODEN LNMAA2. ISBN 3-540-51797-9 (print), 3-540-46810-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083465/>.

Arendt:1986:CPSa

- [Are86a] Wolfgang Arendt. Characterization of positive semigroups on $C_0(X)$. *Lecture Notes in Mathematics*, 1184:122–162, 1986. CODEN LNMAA2. ISBN 3-540-16454-5 (print), 3-540-39791-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074928/>.

Arendt:1986:CPSb

- [Are86b] Wolfgang Arendt. Characterization of positive semigroups on Banach lattices. *Lecture Notes in Mathematics*, 1184:247–291, 1986. CODEN LNMAA2. ISBN 3-540-16454-5 (print), 3-540-39791-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074932/>.

Arkhipov:1989:DFA

- [Ark89] S. V. Arkhipov. The density function's asymptotic representation in the case of multidimensional strictly stable distributions. *Lecture Notes in Mathematics*, 1412:1–21, 1989. CODEN LNMAA2. ISBN 3-540-51948-3 (print), 3-540-46863-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084161/>.

Arnold:1988:CSR

- [Arn88a] V. I. Arnol'd. Contact structure, relaxation oscillations and singular points of implicit differential equations. *Lecture Notes in Mathematics*, 1334:173–179, 1988. CODEN LNMAA2. ISBN 3-540-50019-7 (print), 3-540-45894-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080428/>.

Arnold:1988:SPS

- [Arn88b] V. I. Arnol'd. On some problems in symplectic topology. *Lecture Notes in Mathematics*, 1346:1–5, 1988. CODEN LNMAA2. ISBN 3-540-50237-8 (print), 3-540-45958-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082767/>; <http://link.springer.com/content/pdf/bfm:978-3-540-45958-3/1.pdf>.

Aronson:1986:PME

- [Aro86] D. G. Aronson. The porous medium equation. *Lecture Notes in Mathematics*, 1224:1–46, 1986. CODEN LNMAA2. ISBN 3-540-17192-4 (print), 3-540-47352-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072687/>; <http://link.springer.com/content/pdf/bfm:978-3-540-47352-7/1.pdf>.

Arosio:1988:GSS

- [Aro88a] Alberto Arosio. Global solvability of second order evolution equations in Banach scales. *Lecture Notes in Mathematics*, 1340:1–10, 1988. CODEN LNMAA2. ISBN 3-540-50119-3 (print), 3-540-45932-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082880/>.

Arous:1988:NCH

- [Aro88b] Gérard Ben Arous. Noyau de la chaleur hypoelliptique et géométrie sous-riemannienne. (French) []. *Lecture Notes in Mathematics*, 1322:1–16, 1988. CODEN LNMAA2. ISBN 3-540-19352-9 (print), 3-540-39232-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077862/>.

Arques:1986:RFD

- [Arq86] Didier Arques. Relations fonctionnelles et dénombrement des hypercartes planaires pointées. (French) []. *Lecture Notes in Mathematics*, 1234:5–26, 1986. CODEN LNMAA2. ISBN 3-540-17207-6 (print), 3-540-47402-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072505/>.

Adamek:1988:ALC

- [ART88] J. Adámek, J. Rosický, and V. Trnková. Are all limit-closed subcategories of locally presentable categories reflective? *Lecture Notes in Mathematics*, 1348:1–18, 1988. CODEN LNMAA2. ISBN 3-540-50362-5 (print), 3-540-45985-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081345/>.

Arveson:1985:CNA

- [Arv85] William Arveson. Continuous nests and the absorption principle. *Lecture Notes in Mathematics*, 1132:17–29, 1985. CODEN LNMAA2. ISBN 3-540-15643-7 (print), 3-540-39514-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074876/>.

Ambos-Spies:1985:GRE

- [AS85a] Klaus Ambos-Spies. Generators of the recursively enumerable degrees. *Lecture Notes in Mathematics*, 1141:1–28, 1985. CODEN LNMAA2. ISBN 3-540-15673-9 (print), 3-540-39596-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076212/>.

Ancona:1985:NEB

- [AS85b] Vincenzo Ancona and Alessandro Silva. Numerically effective bundles on Moisëzon and strongly pseudoconvex manifolds. *Lecture Notes in Mathematics*, 1165:1–13, 1985. CODEN LNMAA2. ISBN

3-540-16050-7 (print), 3-540-39734-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076142/>.

Antosik:1985:BMR

- [AS85c] Piotr Antosik and Charles Swartz. Basic matrix results. *Lecture Notes in Mathematics*, 1113:7–10, 1985. CODEN LNMAA2. ISBN 3-540-15185-0 (print), 3-540-39266-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072266/>.

Antosik:1985:BMH

- [AS85d] Piotr Antosik and Charles Swartz. Bilinear maps and hypocontinuity. *Lecture Notes in Mathematics*, 1113:45–57, 1985. CODEN LNMAA2. ISBN 3-540-15185-0 (print), 3-540-39266-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072270/>.

Antosik:1985:CO

- [AS85e] Piotr Antosik and Charles Swartz. Convergence of operators. *Lecture Notes in Mathematics*, 1113:29–44, 1985. CODEN LNMAA2. ISBN 3-540-15185-0 (print), 3-540-39266-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072269/>.

Antosik:1985:Ib

- [AS85f] Piotr Antosik and Charles Swartz. Imbedding c_o and l^∞ . *Lecture Notes in Mathematics*, 1113:94–104, 1985. CODEN LNMAA2. ISBN 3-540-15185-0 (print), 3-540-39266-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072274/>.

Antosik:1985:Ia

- [AS85g] Piotr Antosik and Charles Swartz. Introduction. *Lecture Notes in Mathematics*, 1113:1–6, 1985. CODEN LNMAA2. ISBN 3-540-15185-0 (print), 3-540-39266-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072265/>.

Antosik:1985:C

- [AS85h] Piotr Antosik and Charles Swartz. K convergence. *Lecture Notes in Mathematics*, 1113:11–20, 1985. CODEN LNMAA2. ISBN 3-540-15185-0 (print), 3-540-39266-1 (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072267/>.

Antosik:1985:MMA

- [AS85i] Piotr Antosik and Charles Swartz. *Matrix Methods in Analysis*, volume 1113 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15185-0 (print), 3-540-39266-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). iv + 114 pp. LCCN QA3 .L28 no. 1113. URL [http://link.springer.com/book/10.1007/BFb0072264](http://link.springer.com/book/10.1007/BFb0072264;); <http://www.springerlink.com/content/978-3-540-39266-8>.

Antosik:1985:OPT

- [AS85j] Piotr Antosik and Charles Swartz. Orlicz–Pettis Theorems. *Lecture Notes in Mathematics*, 1113:58–73, 1985. CODEN LNMAA2. ISBN 3-540-15185-0 (print), 3-540-39266-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072271/>.

Antosik:1985:SPL

- [AS85k] Piotr Antosik and Charles Swartz. The Schur and Phillips lemma. *Lecture Notes in Mathematics*, 1113:74–84, 1985. CODEN LNMAA2. ISBN 3-540-15185-0 (print), 3-540-39266-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072272/>.

Antosik:1985:SLB

- [AS85l] Piotr Antosik and Charles Swartz. The Schur lemma for bounded multiplier convergent series. *Lecture Notes in Mathematics*, 1113:85–93, 1985. CODEN LNMAA2. ISBN 3-540-15185-0 (print), 3-540-39266-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072273/>.

Antosik:1985:UBP

- [AS85m] Piotr Antosik and Charles Swartz. The uniform boundedness principle. *Lecture Notes in Mathematics*, 1113:21–28, 1985. CODEN LNMAA2. ISBN 3-540-15185-0 (print), 3-540-39266-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072268/>.

Aseev:1988:QEP

- [AS88] Vladislav V. Aseev and Anatoliĭ V. Syčev. Quasiconformal extension of plane quasi-Möbius embeddings. *Lecture Notes in Mathematics*, 1351:23–27, 1988. CODEN LNMAA2. ISBN 3-540-50370-6 (print), 3-540-45992-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081239/>.

Accardi:1989:QST

- [AS89a] L. Accardi and Kalyan Sinha. Quantum stop times. *Lecture Notes in Mathematics*, 1396:68–72, 1989. CODEN LNMAA2. ISBN 3-540-51613-1 (print), 3-540-46713-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083544/>.

Assem:1989:API

- [AS89b] Ibrahim Assem and Andrzej Skowroński. Algèbres pre-inclinées et catégories dérivées. (French) []. *Lecture Notes in Mathematics*, 1404:1–34, 1989. CODEN LNMAA2. ISBN 3-540-51812-6 (print), 3-540-46814-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084070/>.

Asada:1985:CFS

- [Asa85] Akira Asada. Curvature forms with singularities and non-integral characteristic classes. *Lecture Notes in Mathematics*, 1139:152–168, 1985. CODEN LNMAA2. ISBN 3-540-15666-6 (print), 3-540-39585-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074582/>.

Asada:1986:NAP

- [Asa86] Akira Asada. Non abelian Poincarè lemma. *Lecture Notes in Mathematics*, 1209:37–65, 1986. CODEN LNMAA2. ISBN 3-540-16801-X (print), 3-540-44844-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076619/>.

Asada:1989:IFI

- [Asa89] Akira Asada. Integrable forms on iterated loop spaces and higher dimensional non Abelian de Rham theory. (French) []. *Lecture Notes in Mathematics*, 1410:27–51, 1989. CODEN LNMAA2. ISBN 3-540-51885-1 (print), 3-540-46858-7 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086409/>.

Aschbacher:1986:FSG

- [Asc86] Michael Aschbacher. Finite simple groups and their subgroups. *Lecture Notes in Mathematics*, 1185:1–57, 1986. CODEN LNMAA2. ISBN 3-540-16456-1 (print), 3-540-39793-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076170/>.

Arad:1985:PPC

- [ASH85] Z. Arad, J. Stavi, and M. Herzog. Powers and products of conjugacy classes in groups. *Lecture Notes in Mathematics*, 1112:6–51, 1985. CODEN LNMAA2. ISBN 3-540-13916-8 (print), 3-540-39142-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072285/>; <http://link.springer.com/chapter/10.1007/BFb0072286/>.

Askey:1989:BIA

- [Ask89] Richard Askey. Beta integrals and the associated orthogonal polynomials. *Lecture Notes in Mathematics*, 1395:84–121, 1989. CODEN LNMAA2. ISBN 3-540-51595-X (print), 3-540-46681-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086401/>.

Asoh:1989:SAS

- [Aso89] Tohl Asoh. Smooth $SL(2, C)$ actions on the 3-sphere. *Lecture Notes in Mathematics*, 1375:6–15, 1989. CODEN LNMAA2. ISBN 3-540-51218-7 (print), 3-540-46178-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085595/>.

Assadi:1985:LPT

- [Ass85] Amir Assadi. Lower Postnikov terms of generalized CW complexes and semi-simple actions. *Lecture Notes in Mathematics*, 1167:1–23, 1985. CODEN LNMAA2. ISBN 3-540-16053-1 (print), 3-540-39738-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075213/>.

Assadi:1986:HAC

- [Ass86a] Amir H. Assadi. Homotopy actions and cohomology of finite groups. *Lecture Notes in Mathematics*, 1217:26–57, 1986. CODEN LNMAA2. ISBN 3-540-16824-9 (print), 3-540-47097-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072813/>.

Assadi:1986:NLP

- [Ass86b] Amir H. Assadi. Normally linear Poincaré complexes and equivariant splittings. *Lecture Notes in Mathematics*, 1217:58–78, 1986. CODEN LNMAA2. ISBN 3-540-16824-9 (print), 3-540-47097-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072814/>.

Assadi:1989:FDS

- [Ass89] Amir H. Assadi. “On finite domination and simple homotopy type of nonsimply-connected G -spaces”. *Lecture Notes in Mathematics*, 1375:16–32, 1989. CODEN LNMAA2. ISBN 3-540-51218-7 (print), 3-540-46178-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085596/>.

Al-Salam:1988:GPS

- [ASV88] W. A. Al-Salam and A. Verma. On the Geronimus polynomial sets. *Lecture Notes in Mathematics*, 1329:193–202, 1988. CODEN LNMAA2. ISBN 3-540-19489-4 (print), 3-540-39295-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083359/>.

Acquistapace:1986:FSA

- [AT86] Paolo Acquistapace and Brunello Terreni. On fundamental solutions for abstract parabolic equations. *Lecture Notes in Mathematics*, 1223:1–11, 1986. CODEN LNMAA2. ISBN 3-540-17191-6 (print), 3-540-47350-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099178/>.

Atiyah:1985:CAM

- [Ati85a] Michael Atiyah. Commentary on the article of Manin. *Lecture Notes in Mathematics*, 1111:103–109, 1985. CODEN LNMAA2. ISBN 3-540-15195-8 (print), 3-540-39298-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084586/>. See [Man85].

Atiyah:1985:EDO

- [Ati85b] Michael Atiyah. Eigenvalues of the Dirac operator. *Lecture Notes in Mathematics*, 1111:251–260, 1985. CODEN LNMAA2. ISBN 3-540-15195-8 (print), 3-540-39298-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084593/>.

Attouch:1986:ECD

- [Att86] H. Attouch. Epi-convergence and duality. Convergence of sequences of marginal and Lagrangians functions. Applications to homogenization problems in mechanics. *Lecture Notes in Mathematics*, 1190:21–56, 1986. CODEN LNMAA2. ISBN 3-540-16476-6 (print), 3-540-39817-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076701/>.

Atzmon:1988:IRA

- [Atz88] Aharon Atzmon. Irreducible representations of Abelian groups. *Lecture Notes in Mathematics*, 1359:83–92, 1988. CODEN LNMAA2. ISBN 3-540-50524-5 (print), 3-540-46032-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086589/>.

Auslander:1986:ISE

- [AU86] Maurice Auslander and Louise Unger. Isolated singularities and existence of almost split sequences. *Lecture Notes in Mathematics*, 1178:194–242, 1986. CODEN LNMAA2. ISBN 3-540-16433-2 (print), 3-540-39777-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075297/>.

Aubin:1986:PYC

- [Aub86] Thierry Aubin. Le problème de Yamabe concernant la courbure scalaire. (French) []. *Lecture Notes in Mathematics*, 1209:66–72, 1986. CODEN LNMAA2. ISBN 3-540-16801-X (print), 3-540-44844-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076620/>.

Aubin:1989:MEK

- [Aub89] Thierry Aubin. Métriques d’Einstein–Kähler. (French) []. *Lecture Notes in Mathematics*, 1410:52–59, 1989. CODEN LNMAA2. ISBN 3-540-51885-1 (print), 3-540-46858-7 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086410/>.

Audin:1987:CCL

- [Aud87] Michèle Audin. Classes caractéristiques lagrangiennes. (French) []. *Lecture Notes in Mathematics*, 1298:1–16, 1987. CODEN LNMAA2. ISBN 3-540-18729-4 (print), 3-540-48122-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082997/>.

Aulbach:1985:CLS

- [Aul85] Bernd Aulbach. Conditions for a limit set to be a singleton. *Lecture Notes in Mathematics*, 1151:35–41, 1985. CODEN LNMAA2. ISBN 3-540-15694-1 (print), 3-540-39640-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074712/>.

Aure:1989:SQT

- [Aur89] Alf Bjørn Aure. Surfaces on quintic threefolds associated to the Horrocks–Mumford bundle. *Lecture Notes in Mathematics*, 1399:1–9, 1989. CODEN LNMAA2. ISBN 3-540-51729-4 (print), 3-540-46791-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0095964/>.

Auslander:1985:FTI

- [Aus85] M. Auslander. Finite type implies isolated singularity. *Lecture Notes in Mathematics*, 1142:1–4, 1985. CODEN LNMAA2. ISBN 3-540-15674-7 (print), 3-540-39601-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074789/>.

Assadi:1985:SFG

- [AV85] A. H. Assadi and P. Vogel. Semifree finite groups actions on compact manifolds. *Lecture Notes in Mathematics*, 1126:1–21, 1985. CODEN LNMAA2. ISBN 3-540-15235-0 (print), 3-540-39413-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074436/>.

Alexander:1988:FIS

- [AV88a] J. C. Alexander and Alberto Verjovsky. First integrals for singular holomorphic foliations with leaves of bounded volume. *Lecture Notes in Mathematics*, 1345:1–10, 1988. CODEN LNMAA2. ISBN

3-540-50226-2 (print), 3-540-45957-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081394/>.

Awami:1988:FRN

- [AV88b] Mohamed A. Awami and F. Van Oystaeyen. On filtered rings with Noetherian associated graded rings. *Lecture Notes in Mathematics*, 1328:8–27, 1988. CODEN LNMAA2. ISBN 3-540-19474-6 (print), 3-540-39278-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100910/>.

Avramov:1986:GH

- [Avr86] Luchezar L. Avramov. Golod homomorphisms. *Lecture Notes in Mathematics*, 1183:59–78, 1986. CODEN LNMAA2. ISBN 3-540-16453-7 (print), 3-540-39790-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075450/>.

Avrin:1987:CPS

- [Avr87] Joel D. Avrin. Convergence properties of strongly-damped semi-linear wave equations. *Lecture Notes in Mathematics*, 1248:1–4, 1987. CODEN LNMAA2. ISBN 3-540-17741-8 (print), 3-540-47791-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077410/>.

Anderson:1988:IED

- [AVV88] G. D. Anderson, M. K. Vamanamurthy, and M. Vuorinen. Inequalities for the extremal distortion function. *Lecture Notes in Mathematics*, 1351:1–11, 1988. CODEN LNMAA2. ISBN 3-540-50370-6 (print), 3-540-45992-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081237/>.

Accardi:1985:QPA

- [AvW85] Luigi Accardi and Wilhelm von Waldenfels, editors. *Quantum Probability and Applications II: Proceedings of a Workshop held in Heidelberg, West Germany, October 1–5, 1984*, volume 1136 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15661-5 (print), 3-540-39570-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3

.L28 no. 1136. URL <http://link.springer.com/book/10.1007/BFb0074453>; <http://www.springerlink.com/content/978-3-540-39570-6>.

Arnold:1986:LES

- [AW86a] L. Arnold and V. Wihstutz. Lyapunov exponents: a survey. *Lecture Notes in Mathematics*, 1186:1–26, 1986. CODEN LNMAA2. ISBN 3-540-16458-8 (print), 3-540-39795-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076830/>.

Arnold:1986:LEP

- [AW86b] Ludwig Arnold and Volker Wihstutz, editors. *Lyapunov Exponents: Proceedings of a Workshop held in Bremen, November 12–15, 1984*, volume 1186 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16458-8 (print), 3-540-39795-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1186. URL <http://link.springer.com/book/10.1007/BFb0076829>; <http://www.springerlink.com/content/978-3-540-39795-3>.

Accardi:1989:QRW

- [AW89] L. Accardi and G. S. Watson. Quantum random walks. *Lecture Notes in Mathematics*, 1396:73–88, 1989. CODEN LNMAA2. ISBN 3-540-51613-1 (print), 3-540-46713-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083545/>.

Axelsson:1986:SEE

- [Axe86] O. Axelsson. Stability and error estimates valid for infinite time, for strongly monotone and infinitely stiff evolution equations. *Lecture Notes in Mathematics*, 1192:275–284, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076081/>.

Azema:1985:SPX

- [AY85] Jacques Azéma and Marc Yor, editors. *Séminaire de Probabilités XIX 1983/84: Proceedings*, volume 1123 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15230-X (print), 3-540-39397-8 (e-book). ISSN 0075-8434 (print),

1617-9692 (electronic). LCCN QA3 .L28 no. 1123. URL <http://link.springer.com/book/10.1007/BFb0075834>; <http://www.springerlink.com/content/978-3-540-39397-9>.

Azema:1986:SPX

- [AY86] Jacques Azéma and Marc Yor, editors. *Séminaire de Probabilités XX 1984/85: Proceedings*, volume 1204 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16779-X (print), 3-540-39860-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1204. URL <http://link.springer.com/book/10.1007/BFb0075705>; <http://www.springerlink.com/content/978-3-540-39860-8>.

Azema:1987:ICH

- [AY87] J. Azéma and M. Yor. Interprétation d'un calcul de H. Tanaka en théorie générale des processus. (French) []. *Lecture Notes in Mathematics*, 1247:262–269, 1987. CODEN LNMAA2. ISBN 3-540-17768-X (print), 3-540-47814-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077640/>.

Azema:1989:EMR

- [AY89] J. Azéma and M. Yor. Étude d'une martingale remarquable. (French) []. *Lecture Notes in Mathematics*, 1372:88–130, 1989. CODEN LNMAA2. ISBN 3-540-51191-1 (print), 3-540-46176-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083962/>.

Azema:1987:SPX

- [AYM87] Jacques Azéma, Marc Yor, and Paul André Meyer. *Séminaire de Probabilités XXI*, volume 1247 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-17768-X (print), 3-540-47814-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). 302 (est.) pp. LCCN QA3 .L28 no. 1247. URL <http://link.springer.com/book/10.1007/BFb0077623>; <http://www.springerlink.com/content/978-3-540-47814-0>.

Aznar:1987:SHM

- [Azn87] V. Navarro Aznar. Sur les structures de Hodge mixtes associées aux cycles évanescents. (French) []. *Lecture Notes in Mathematics*

ics, 1246:143–153, 1987. CODEN LNMAA2. ISBN 3-540-17743-4 (print), 3-540-47794-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077536/>.

Aznar:1988:TAF

- [Azn88] V. Navarro Aznar. Théorèmes d’annulation. (French) [Cancellation theorems]. *Lecture Notes in Mathematics*, 1335:133–160, 1988. CODEN LNMAA2. ISBN 3-540-50023-5 (print), 3-540-69984-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085059/>.

Bhargava:1985:TGR

- [BA85] S. Bhargava and Chandrashekar Adiga. Two generalizations of Ramanujan’s continued fraction identities. *Lecture Notes in Mathematics*, 1122:56–62, 1985. CODEN LNMAA2. ISBN 3-540-15222-9 (print), 3-540-39642-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075750/>.

Ben-Artzi:1989:NCR

- [BA89] Matania Ben-Artzi. Numerical calculations of reacting flows. *Lecture Notes in Mathematics*, 1402:30–36, 1989. CODEN LNMAA2. ISBN 3-540-51746-4 (print), 3-540-46800-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083866/>.

Backelin:1986:RGH

- [Bac86] Jörgen Backelin. On the rates of growth of the homologies of Veronese subrings. *Lecture Notes in Mathematics*, 1183:79–100, 1986. CODEN LNMAA2. ISBN 3-540-16453-7 (print), 3-540-39790-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075451/>.

Bachelot:1989:GEL

- [Bac89] Alain Bachelot. Global existence of large amplitude solutions for Dirac–Klein–Gordon systems in Minkowski space. *Lecture Notes in Mathematics*, 1402:99–113, 1989. CODEN LNMAA2. ISBN 3-540-51746-4 (print), 3-540-46800-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083870/>.

Badrikian:1985:RGF

- [Bad85] Albert Badrikian. Réarrangement Gaussien de fonctions. (French) []. *Lecture Notes in Mathematics*, 1109:18–31, 1985. CODEN LNMAA2. ISBN 3-540-13914-1 (print), 3-540-39138-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101534/>.

Baer:1986:HPW

- [Bae86] Dagmar Baer. Homological properties of wild hereditary Artin algebras. *Lecture Notes in Mathematics*, 1177:1–12, 1986. CODEN LNMAA2. ISBN 3-540-16432-4 (print), 3-540-39776-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075255/>.

Baernstein:1987:DST

- [Bae87] Albert Baernstein II. Dubinin’s symmetrization theorem. *Lecture Notes in Mathematics*, 1275:23–30, 1987. CODEN LNMAA2. ISBN 3-540-18356-6 (print), 3-540-47899-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078342/>.

Baernstein:1989:STS

- [Bae89] Albert Baernstein II. Some topics in symmetrization. *Lecture Notes in Mathematics*, 1384:111–123, 1989. CODEN LNMAA2. ISBN 3-540-51460-0 (print), 3-540-48134-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086796/>.

Bahri:1988:CPI

- [Bah88] A. Bahri. Critical points at infinity in the variational calculus. *Lecture Notes in Mathematics*, 1324:1–29, 1988. CODEN LNMAA2. ISBN 3-540-50111-8 (print), 3-540-45928-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100779/>.

Baiocchi:1989:SLA

- [Bai89] C. Baiocchi. Stability in linear abstract differential equations. *Lecture Notes in Mathematics*, 1386:1–21, 1989. CODEN LNMAA2. ISBN 3-540-51478-3 (print), 3-540-48144-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089228/>.

Bakry:1985:TRPa

- [Bak85a] D. Bakry. Transformations de Riesz pour les semi-groupes symétriques. Première partie: Étude de la dimension 1. (French) []. *Lecture Notes in Mathematics*, 1123:130–144, 1985. CODEN LNMAA2. ISBN 3-540-15230-X (print), 3-540-39397-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075843/>.

Bakry:1985:TRPb

- [Bak85b] D. Bakry. Transformations de Riesz pour les semi-groupes symétriques. seconde patrie: Étude sous la condition $\Gamma_2 \geq 0$. (French) []. *Lecture Notes in Mathematics*, 1123:145–174, 1985. CODEN LNMAA2. ISBN 3-540-15230-X (print), 3-540-39397-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075844/>.

Bakry:1985:RIL

- [Bak85c] Dominique Bakry. Une remarque sur les inégalités de Littlewood–Paley sous l’hypothèse $\Gamma_2 \geq 0$. (French) []. *Lecture Notes in Mathematics*, 1123:175, 1985. CODEN LNMAA2. ISBN 3-540-15230-X (print), 3-540-39397-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075845>.

Baker:1987:CAI

- [Bak87a] Andrew Baker. Combinatorial and arithmetic identities based on formal group laws. *Lecture Notes in Mathematics*, 1298:17–34, 1987. CODEN LNMAA2. ISBN 3-540-18729-4 (print), 3-540-48122-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082998/>.

Bakry:1987:ETR

- [Bak87b] Dominique Bakry. Étude des transformations de Riesz dans les variétés riemanniennes à courbure de Ricci minorée. (French) []. *Lecture Notes in Mathematics*, 1247:137–172, 1987. CODEN LNMAA2. ISBN 3-540-17768-X (print), 3-540-47814-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077631/>.

Bakry:1988:PSH

- [Bak88] Dominique Bakry. La propriété de sous-harmonicité des diffusions dans les variétés. (French) []. *Lecture Notes in Mathemat-*

ics, 1321:1–50, 1988. CODEN LNMAA2. ISBN 3-540-19351-0 (print), 3-540-39228-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084117/>.

Bakry:1989:ICS

- [Bak89] Dominique Bakry. Sur l'interpolation complexe des semigroupes de diffusion. (French) []. *Lecture Notes in Mathematics*, 1372: 1–20, 1989. CODEN LNMAA2. ISBN 3-540-51191-1 (print), 3-540-46176-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083956/>.

Ballmann:1985:MNP

- [Bal85] W. Ballmann. Manifolds of non positive curvature. *Lecture Notes in Mathematics*, 1111:261–268, 1985. CODEN LNMAA2. ISBN 3-540-15195-8 (print), 3-540-39298-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084594/>.

Ballmann:1986:SMN

- [Bal86a] Werner Ballmann. Structure of manifolds of nonpositive sectional curvature. *Lecture Notes in Mathematics*, 1201:1–13, 1986. CODEN LNMAA2. ISBN 3-540-16770-6 (print), 3-540-38827-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075644/>.

Balslev:1986:SOA

- [Bal86b] Erik Balslev, editor. *Schrödinger Operators, Aarhus 1985: Lectures given in Aarhus, October 2–4, 1985*, volume 1218 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16826-5 (print), 3-540-47119-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3.L28 no. 1218. URL <http://link.springer.com/book/10.1007/BFb0073041>; <http://www.springerlink.com/content/978-3-540-47119-6>.

Balslev:1986:WOD

- [Bal86c] Erik Balslev. Wave operators for dilation-analytic three-body Hamiltonians. *Lecture Notes in Mathematics*, 1218:39–60, 1986. CODEN LNMAA2. ISBN 3-540-16826-5 (print), 3-540-47119-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073043/>.

Baldwin:1987:CT

- [Bal87] John T. Baldwin. Classification theory: 1985. *Lecture Notes in Mathematics*, 1292:1–23, 1987. CODEN LNMAA2. ISBN 3-540-18674-3 (print), 3-540-48049-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082229/>.

Ball:1988:SRG

- [Bal88] Keith Ball. Some remarks on the geometry of convex sets. *Lecture Notes in Mathematics*, 1317:224–231, 1988. CODEN LNMAA2. ISBN 3-540-19353-7 (print), 3-540-39235-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081743/>.

Ball:1989:VSC

- [Bal89] Keith Ball. Volumes of sections of cubes and related problems. *Lecture Notes in Mathematics*, 1376:251–260, 1989. CODEN LNMAA2. ISBN 3-540-51303-5 (print), 3-540-46189-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0090058/>.

Bank:1986:PEE

- [Ban86] Randolph E. Bank. A-posteriori error estimates. Adaptive local mesh refinement and multigrid iteration. *Lecture Notes in Mathematics*, 1228:7–22, 1986. CODEN LNMAA2. ISBN 3-540-17198-3 (print), 3-540-47372-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072638/>.

Barbu:1985:TOC

- [Bar85a] Viorel Barbu. The time optimal control of variational inequalities. Dynamic programming and the maximum principle. *Lecture Notes in Mathematics*, 1119:1–19, 1985. CODEN LNMAA2. ISBN 3-540-15217-2 (print), 3-540-39365-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074777/>.

Bartels:1985:QAV

- [Bar85b] Dina Bartels. Quasihomogene affine Varietäten für $SL(2, \mathbf{C})$. (German) []. *Lecture Notes in Mathematics*, 1146:1–105, 1985. CODEN LNMAA2. ISBN 3-540-15686-0 (print), 3-540-39628-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074535/>.

Barth:1985:LES

- [Bar85c] W. Barth. Lectures on $K3$ - and Enriques surfaces. *Lecture Notes in Mathematics*, 1124:21–57, 1985. CODEN LNMAA2. ISBN 3-540-15232-6 (print), 3-540-39643-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074994/>.

Barugola:1985:SPA

- [Bar85d] A. Barugola. On some properties of an absorptive area and a chaotic area for an R^2 -endomorphism. *Lecture Notes in Mathematics*, 1163:1–6, 1985. CODEN LNMAA2. ISBN 3-540-16067-1 (print), 3-540-39749-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076411/>.

Barcilon:1986:IEP

- [Bar86a] Victor Barcilon. Inverse eigenvalue problems. *Lecture Notes in Mathematics*, 1225:1–51, 1986. CODEN LNMAA2. ISBN 3-540-17193-2 (print), 3-540-47353-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072659/>; <http://link.springer.com/content/pdf/bfm:978-3-540-47353-4/1.pdf>.

Barlet:1986:MP

- [Bar86b] D. Barlet. Monodromy and poles of $\int_X |f|^{2\lambda} \square$. *Lecture Notes in Mathematics*, 1194:1–7, 1986. CODEN LNMAA2. ISBN 3-540-16490-1 (print), 3-540-39829-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076990/>; <http://link.springer.com/content/pdf/bfm:978-3-540-39829-5/1.pdf>.

Barlet:1986:FTT

- [Bar86c] Daniel Barlet. Fonctions de type trace réelles et formes hermitiennes horizontales. (French) []. *Lecture Notes in Mathematics*, 1188:232–244, 1986. CODEN LNMAA2. ISBN 3-540-16460-X (print), 3-540-39797-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076825/>.

Barlet:1986:CFH

- [Bar86d] Daniel Barlet. Le calcul de la forme hermitienne canonique pour $X^a + Y^b + Z^c = 0$. (French) []. *Lecture Notes in Mathemat-*

ics, 1198:35–46, 1986. CODEN LNMAA2. ISBN 3-540-16762-5 (print), 3-540-38729-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077041/>.

Bartusek:1986:POS

- [Bar86e] M. Bartušek. On properties of oscillatory solutions of non-linear differential equations of the n -th order. *Lecture Notes in Mathematics*, 1192:109–113, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076056/>.

Barbasch:1987:URU

- [Bar87a] Dan Barbasch. Unipotent representations and unitarity. *Lecture Notes in Mathematics*, 1243:73–85, 1987. CODEN LNMAA2. ISBN 3-540-17701-9 (print), 3-540-47775-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073018/>.

Barlet:1987:SHP

- [Bar87b] D. Barlet. Symétrie de Hodge pour le polynôme de Bernstein–Sato. (French) []. *Lecture Notes in Mathematics*, 1295:1–10, 1987. CODEN LNMAA2. ISBN 3-540-18691-3 (print), 3-540-48084-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081974/>.

Barlotti:1987:FSM

- [Bar87c] Marco Barlotti. Faithful simple modules for the non-Abelian group of order pq . *Lecture Notes in Mathematics*, 1281:1–8, 1987. CODEN LNMAA2. ISBN 3-540-18399-X (print), 3-540-47948-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078684/>.

Baron:1987:LPZ

- [Bar87d] G. Baron. Ein Lineares Programm in der Zahlentheorie. (German) [A linear program in number theory]. *Lecture Notes in Mathematics*, 1262:1–13, 1987. CODEN LNMAA2. ISBN 3-540-18015-X (print), 3-540-47256-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078591/>.

Barrett:1987:BSB

- [Bar87e] David E. Barrett. Boundary singularities of biholomorphic maps. *Lecture Notes in Mathematics*, 1268:24–28, 1987. CODEN LNMAA2. ISBN 3-540-18094-X (print), 3-540-47752-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097293/>.

Barth:1987:PFT

- [Bar87f] Thomas Barth. Sur les principes fondamentaux de la théorie du potentiel par rapport à un noyau. (French) []. *Lecture Notes in Mathematics*, 1235:1–14, 1987. CODEN LNMAA2. ISBN 3-540-17210-6 (print), 3-540-47406-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072745/>.

Barchielli:1988:IOC

- [Bar88a] Alberto Barchielli. Input and output channels in quantum systems and quantum stochastic differential equations. *Lecture Notes in Mathematics*, 1303:37–51, 1988. CODEN LNMAA2. ISBN 3-540-18919-X (print), 3-540-38846-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078053/>.

Barr:1988:CEU

- [Bar88b] Michael Barr. On categories with effective unions. *Lecture Notes in Mathematics*, 1348:19–35, 1988. CODEN LNMAA2. ISBN 3-540-50362-5 (print), 3-540-45985-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081346/>.

Barza:1988:DMK

- [Bâr88c] Ilie Bârză. The dianalytic morphisms of the Klein bottles. *Lecture Notes in Mathematics*, 1351:38–51, 1988. CODEN LNMAA2. ISBN 3-540-50370-6 (print), 3-540-45992-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081241/>.

Bardelli:1989:CGT

- [Bar89a] Fabio Bardelli. Curves of genus three on a general Abelian threefold and the non-finite generation of the Griffiths group. *Lecture Notes in Mathematics*, 1399:10–26, 1989. CODEN LNMAA2. ISBN 3-540-51729-4 (print), 3-540-46791-2 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0095965/>.

Barros:1989:SFT

- [Bar89b] Manuel Barros. Spherical finite type submanifolds. Applications. *Lecture Notes in Mathematics*, 1410:60–70, 1989. CODEN LNMAA2. ISBN 3-540-51885-1 (print), 3-540-46858-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086411/>.

Bartoszewicz:1989:SSC

- [Bar89c] Artur Bartoszewicz. On some sufficient conditions for the existence of a consistent test in noncommutative statistics. *Lecture Notes in Mathematics*, 1391:16–22, 1989. CODEN LNMAA2. ISBN 3-540-51548-8 (print), 3-540-48244-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083376/>.

Bartsch:1989:BTM

- [Bar89d] Thomas Bartsch. Bifurcation theory for metric parameter spaces. *Lecture Notes in Mathematics*, 1411:1–8, 1989. CODEN LNMAA2. ISBN 3-540-51932-7 (print), 3-540-46862-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086435/>.

Bass:1987:IFB

- [Bas87] Richard Bass. L_p inequalities for functionals of Brownian motion. *Lecture Notes in Mathematics*, 1247:206–217, 1987. CODEN LNMAA2. ISBN 3-540-17768-X (print), 3-540-47814-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077635/>.

Batchelor:1987:GMP

- [Bat87] Marjorie Batchelor. Graded manifolds and pairs. *Lecture Notes in Mathematics*, 1251:65–72, 1987. CODEN LNMAA2. ISBN 3-540-17816-3 (print), 3-540-47854-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077315/>.

Baues:1985:HCP

- [Bau85] Hans Joachim Baues. On homotopy classification problems of J. H. C. Whitehead. *Lecture Notes in Mathematics*, 1172:17–55, 1985. CODEN LNMAA2. ISBN 3-540-16061-2 (print), 3-540-39745-0

(e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074422/>.

Bauer:1987:SHT

- [Bau87] Friedrich W. Bauer. Strong homology theories. *Lecture Notes in Mathematics*, 1283:3–29, 1987. CODEN LNMAA2. ISBN 3-540-18443-0 (print), 3-540-47975-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081414/>.

Bauer:1988:HTM

- [Bau88a] Stefan Bauer. The homotopy type of a 4-manifold with finite fundamental group. *Lecture Notes in Mathematics*, 1361:1–6, 1988. CODEN LNMAA2. ISBN 3-540-50528-8 (print), 3-540-46036-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083030/>.

Baues:1988:CH

- [Bau88b] Hans Joachim Baues. Combinatorial homotopy. *Lecture Notes in Mathematics*, 1318:31–50, 1988. CODEN LNMAA2. ISBN 3-540-19340-5 (print), 3-540-39204-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077793/>.

Baumgartner:1989:RPO

- [Bau89] James E. Baumgartner. Remarks on partition ordinals. *Lecture Notes in Mathematics*, 1401:5–17, 1989. CODEN LNMAA2. ISBN 3-540-51730-8 (print), 3-540-46795-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097328/>.

Baxendale:1986:ABS

- [Bax86] Peter H. Baxendale. Asymptotic behaviour of stochastic flows of diffeomorphisms. *Lecture Notes in Mathematics*, 1203:1–19, 1986. CODEN LNMAA2. ISBN 3-540-16773-0 (print), 3-540-39852-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076869/>.

Białynicki-Birula:1985:EUR

- [BB85] Iwo Białynicki-Birula. Entropic uncertainty relations in quantum mechanics. *Lecture Notes in Mathematics*, 1136:90–103, 1985. CODEN LNMAA2. ISBN 3-540-15661-5 (print), 3-540-39570-9

(e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074463/>.

Bedford:1986:BCP

- [BB86] Eric Bedford and Steve Bell. Boundary continuity of proper holomorphic correspondences. *Lecture Notes in Mathematics*, 1198: 47–64, 1986. CODEN LNMAA2. ISBN 3-540-16762-5 (print), 3-540-38729-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077042/>.

Baldwin:1987:CRL

- [BB87] John T. Baldwin and Joel Berman. Concrete representations of lattices and the fundamental order. *Lecture Notes in Mathematics*, 1292:24–31, 1987. CODEN LNMAA2. ISBN 3-540-18674-3 (print), 3-540-48049-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082230/>.

Berard:1988:NBS

- [BB88a] P. H. Bérard and G. Besson. On the number of bound states and estimates on some geometric invariants. *Lecture Notes in Mathematics*, 1324:30–40, 1988. CODEN LNMAA2. ISBN 3-540-50111-8 (print), 3-540-45928-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100780/>.

Bloom:1988:MSF

- [BB88b] Lynette M. Bloom and Walter R. Bloom. Multipliers on spaces of functions with p -summable Fourier transforms. *Lecture Notes in Mathematics*, 1359:100–112, 1988. CODEN LNMAA2. ISBN 3-540-50524-5 (print), 3-540-46032-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086591/>.

Boboc:1988:OCP

- [BB88c] N. Boboc and Gh. Bucur. Order and convexity in potential theory. *Lecture Notes in Mathematics*, 1344:24–41, 1988. CODEN LNMAA2. ISBN 3-540-50210-6 (print), 3-540-45952-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0103342/>.

Buser:1988:RSL

- [BBD88] Peter Buser, Marc Burger, and Jozef Dodziuk. Riemann surfaces of large genus and large λ_1 . *Lecture Notes in Mathematics*, 1339:54–63, 1988. CODEN LNMAA2. ISBN 3-540-50113-4 (print), 3-540-45930-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083046/>.

Bujalance:1989:GAN

- [BBGM89] Emilio Bujalance, J. A. Bujalance, G. Gromadzki, and E. Martinez. The groups of automorphisms of non-orientable hyperelliptic Klein surfaces without boundary. *Lecture Notes in Mathematics*, 1398:43–51, 1989. CODEN LNMAA2. ISBN 3-540-51695-6 (print), 3-540-46756-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086238/>.

Bernardi:1988:CHO

- [BBP88] E. Bernardi, A. Bove, and C. Parenti. On a class of hyperbolic operators with double characteristics. *Lecture Notes in Mathematics*, 1340:23–30, 1988. CODEN LNMAA2. ISBN 3-540-50119-3 (print), 3-540-45932-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082882/>.

Braaksma:1985:DSB

- [BBT85] Boele L. J. Braaksma, Hendrik W. Broer, and Floris Takens, editors. *Dynamical Systems and Bifurcations: Proceedings of a Workshop held in Groningen The Netherlands, April 16–20, 1984*, volume 1125 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15233-4 (print), 3-540-39411-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1125. URL <http://link.springer.com/book/10.1007/BFb0075630>; <http://www.springerlink.com/content/978-3-540-39411-2>.

Beyer:1985:FEE

- [BC85] W. A. Beyer and P. J. Channell. A functional equation for the embedding of a homeomorphism of the interval into a flow. *Lecture Notes in Mathematics*, 1163:7–13, 1985. CODEN LNMAA2. ISBN 3-540-16067-1 (print), 3-540-39749-3 (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076412/>.

Barbosa:1986:CMS

- [BC86a] J. Lucas M. Barbosa and A. Gervasio Colares. Complete minimal surfaces with finite total curvature. *Lecture Notes in Mathematics*, 1195:28–50, 1986. CODEN LNMAA2. ISBN 3-540-16491-X (print), 3-540-39830-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077108/>.

Barbosa:1986:MS

- [BC86b] J. Lucas M. Barbosa and A. Gervasio Colares. *Minimal Surfaces in \mathbf{R}^3* , volume 1195 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16491-X (print), 3-540-39830-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). x + 124 pp. LCCN QA3 .L28 no. 1195. URL [http://link.springer.com/book/10.1007/BFb0077105](http://link.springer.com/book/10.1007/BFb0077105;); <http://www.springerlink.com/content/978-3-540-39830-1>.

Barbosa:1986:NCM

- [BC86c] J. Lucas M. Barbosa and A. Gervasio Colares. Nonexistence of certain minimal surfaces. *Lecture Notes in Mathematics*, 1195: 98–113, 1986. CODEN LNMAA2. ISBN 3-540-16491-X (print), 3-540-39830-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077110/>.

Barbosa:1986:PD

- [BC86d] J. Lucas M. Barbosa and A. Gervasio Colares. A preliminary discussion. *Lecture Notes in Mathematics*, 1195:1–9, 1986. CODEN LNMAA2. ISBN 3-540-16491-X (print), 3-540-39830-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077106/>.

Barbosa:1986:REC

- [BC86e] J. Lucas M. Barbosa and A. Gervasio Colares. Recent examples of complete minimal surfaces. *Lecture Notes in Mathematics*, 1195:51–97, 1986. CODEN LNMAA2. ISBN 3-540-16491-X (print), 3-540-39830-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077109/>.

Barbosa:1986:WRC

- [BC86f] J. Lucas M. Barbosa and A. Gervasio Colares. The Weierstrass representation and the classical examples. *Lecture Notes in Mathematics*, 1195:10–27, 1986. CODEN LNMAA2. ISBN 3-540-16491-X (print), 3-540-39830-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077107/>.

Bodigheimer:1988:RCC

- [BC88] C.-F. Bödigheimer and F. R. Cohen. Rational cohomology of configuration spaces of surfaces. *Lecture Notes in Mathematics*, 1361:7–13, 1988. CODEN LNMAA2. ISBN 3-540-50528-8 (print), 3-540-46036-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083031/>.

Brezzi:1986:SPP

- [BCM86] Franco Brezzi, António Capelo, and Luisa Donatella Marini. Singular perturbation problems in semiconductor devices. *Lecture Notes in Mathematics*, 1230:191–198, 1986. CODEN LNMAA2. ISBN 3-540-17200-9 (print), 3-540-47379-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072681/>.

Baldi:1988:EVF

- [BCM88] P. Baldi and M. Chaleyat-Maurel. An extension of Venttsel-Freidlin estimates. *Lecture Notes in Mathematics*, 1316:305–327, 1988. CODEN LNMAA2. ISBN 3-540-19315-4 (print), 3-540-39186-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081937/>.

Blanchard:1985:EQD

- [BCSSC85] Ph. Blanchard, Ph. Combe, M. Sirugue, and M. Sirugue-Collin. Estimates of quantum deviations from classical mechanics using large deviation results. *Lecture Notes in Mathematics*, 1136:104–111, 1985. CODEN LNMAA2. ISBN 3-540-15661-5 (print), 3-540-39570-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074464/>.

Blanchard:1987:JPR

- [BCSSC87] Ph. Blanchard, Ph. Combe, M. Sirugue, and M. Sirugue-Collin. Jump processes related to the two dimensional Dirac equation. *Lecture Notes in Mathematics*, 1250:1–13, 1987. CODEN LNMAA2. ISBN 3-540-17797-3 (print), 3-540-47835-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077344/>.

Bonneau:1986:DEL

- [BCZ86] Pierre Bonneau, Anne Cumenge, and Ahmed Zériaïhi. Division dans les espaces de Lipschitz de fonctions holomorphes. (French) []. *Lecture Notes in Mathematics*, 1198:73–87, 1986. CODEN LNMAA2. ISBN 3-540-16762-5 (print), 3-540-38729-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077044/>.

Berger:1987:TOF

- [BCZ87] C. A. Berger, L. A. Coburn, and K. H. Zhu. Toeplitz operators and function theory in n -dimensions. *Lecture Notes in Mathematics*, 1256:28–35, 1987. CODEN LNMAA2. ISBN 3-540-17856-2 (print), 3-540-47886-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077736/>.

Belopolskaya:1986:SED

- [BD86a] Ya. I. Belopol'skaya and Yu. L. Daletskii. Stochastic equations and differential geometry. *Lecture Notes in Mathematics*, 1214:131–158, 1986. CODEN LNMAA2. ISBN 3-540-16821-4 (print), 3-540-47084-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075963/>.

Burton:1986:UCD

- [BD86b] T. A. Burton and D. P. Dwiggin. Uniqueness without continuous dependence. *Lecture Notes in Mathematics*, 1192:115–121, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076057/>.

Branner:1988:SCP

- [BD88] Bodil Branner and Adrien Douady. Surgery on complex polynomials. *Lecture Notes in Mathematics*, 1345:11–72, 1988. CODEN

LNMAA2. ISBN 3-540-50226-2 (print), 3-540-45957-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081395/>.

Beauville:1989:FTD

- [BD89a] Arnaud Beauville and Olivier Debarre. Sur les fonctions thêta du second ordre. (French) []. *Lecture Notes in Mathematics*, 1399: 27–39, 1989. CODEN LNMAA2. ISBN 3-540-51729-4 (print), 3-540-46791-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0095966/>.

Bendersky:1989:CBC

- [BD89b] Martin Bendersky and Donald M. Davis. On the complex bordism of classifying spaces. *Lecture Notes in Mathematics*, 1370: 53–56, 1989. CODEN LNMAA2. ISBN 3-540-51118-0 (print), 3-540-46160-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085217/>.

Bisschop:1989:SDS

- [BDD89] J. Bisschop, B. Dorhout, and A. Drud. Structural dependence and systems of equations. *Lecture Notes in Mathematics*, 1403: 209–224, 1989. CODEN LNMAA2. ISBN 3-540-51797-9 (print), 3-540-46810-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083466/>.

Bratteli:1985:LDO

- [BDE85] Ola Bratteli, Trond Digernes, and George A. Elliott. Locality and differential operators on C^* -algebras, II. *Lecture Notes in Mathematics*, 1132:46–83, 1985. CODEN LNMAA2. ISBN 3-540-15643-7 (print), 3-540-39514-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074879/>.

Buendia:1988:DZP

- [BDG88] E. Buendía, J. S. Dehesa, and F. J. Gálvez. The distribution of zeros of the polynomial eigenfunctions of ordinary differential operators of arbitrary order. *Lecture Notes in Mathematics*, 1329:222–235, 1988. CODEN LNMAA2. ISBN 3-540-19489-4 (print), 3-540-39295-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083361/>.

Beck:1985:PBS

- [BDH⁺85] Anatole Beck, Richard Dudley, Marjorie Hahn, James Kuelbs, and Michael Marcus, editors. *Probability in Banach Spaces V: Proceedings of the International Conference held in Medford, USA, July 16–27, 1984*, volume 1153 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15704-2 (print), 3-540-39645-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1153; QA3 .L28 no. 1153 QA273.43. URL <http://link.springer.com/book/10.1007/BFb0074941>; <http://www.springerlink.com/content/978-3-540-39645-1>.

Bland:1987:CAG

- [BDK87] J. Bland, T. Duchamp, and M. Kalka. A characterization of CP^n by its automorphism group. *Lecture Notes in Mathematics*, 1268:60–65, 1987. CODEN LNMAA2. ISBN 3-540-18094-X (print), 3-540-47752-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097296/>.

Brezinski:1985:POA

- [BDM⁺85] Claude Brezinski, André Draux, Alphonse P. Magnus, Pascal Maroni, and André Ronveaux, editors. *Polynômes Orthogonaux et Applications: Proceedings of the Laguerre Symposium held at Bar-le-Duc, October 15–18, 1984*, volume 1171 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-16059-0 (print), 3-540-39743-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1171. URL <http://link.springer.com/book/10.1007/BFb0076527>; <http://www.springerlink.com/content/978-3-540-39743-4>.

Beals:1987:ISS

- [BDT87a] R. Beals, Percy Deift, and Carlos Tomei. Inverse scattering for self-adjoint n^{th} order differential operators on the line. *Lecture Notes in Mathematics*, 1285:26–38, 1987. CODEN LNMAA2. ISBN 3-540-18479-1 (print), 3-540-47983-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080578/>.

Blumlinger:1987:MSG

- [BDT87b] M. Blümlinger, M. Drmota, and R. F. Tichy. Metrische Sätze der C -Gleichverteilung auf der Sphäre. (German) []. *Lecture Notes in Mathematics*, 1262:14–21, 1987. CODEN LNMAA2. ISBN 3-540-18015-X (print), 3-540-47256-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078592/>.

Bakry:1985:DH

- [BÉ85] D. Bakry and Michel Émery. Diffusions hypercontractives. *Lecture Notes in Mathematics*, 1123:177–206, 1985. CODEN LNMAA2. ISBN 3-540-15230-X (print), 3-540-39397-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075847/>.

Barbour:1986:TST

- [BE86] A. D. Barbour and G. K. Eagleson. Tests for space–time clustering. *Lecture Notes in Mathematics*, 1212:42–51, 1986. CODEN LNMAA2. ISBN 3-540-16803-6 (print), 3-540-47053-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076236/>.

Ballico:1987:BMR

- [BE87] Edoardo Ballico and Philippe Ellia. Beyond the maximal rank conjecture for curves in \mathbb{P}^3 . *Lecture Notes in Mathematics*, 1266:1–23, 1987. CODEN LNMAA2. ISBN 3-540-18020-6 (print), 3-540-47708-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078176/>.

Beattie:1986:SSB

- [Bea86a] Margaret Beattie. The subgroup structure of the Brauer group of RG-dimodule algebras. *Lecture Notes in Mathematics*, 1197:20–30, 1986. CODEN LNMAA2. ISBN 3-540-16496-0 (print), 3-540-39833-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076309/>.

Beauville:1986:GMF

- [Bea86b] Arnaud Beauville. Le groupe de monodromie des familles universelles d’hypersurfaces et d’intersections complètes. (French) [].

Lecture Notes in Mathematics, 1194:8–18, 1986. CODEN LN-MAA2. ISBN 3-540-16490-1 (print), 3-540-39829-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076991/>.

Beals:1987:IRS

- [Bea87] Michael Beals. Interaction of radially smooth nonlinear waves. *Lecture Notes in Mathematics*, 1256:1–27, 1987. CODEN LN-MAA2. ISBN 3-540-17856-2 (print), 3-540-47886-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077735/>.

Beals:1988:NPC

- [Bea88a] Richard Beals. Nonelliptic problems and complex analysis. *Lecture Notes in Mathematics*, 1306:23–37, 1988. CODEN LN-MAA2. ISBN 3-540-19097-X (print), 3-540-39107-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082922/>.

Beattie:1988:DTG

- [Bea88b] Margaret Beattie. Duality theorems for group actions and gradings. *Lecture Notes in Mathematics*, 1328:28–32, 1988. CODEN LNMAA2. ISBN 3-540-19474-6 (print), 3-540-39278-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100911/>.

Bebernes:1986:DBS

- [Beb86] J. W. Bebernes. A description of blow-up for the solid fuel ignition model. *Lecture Notes in Mathematics*, 1192:193–196, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076068/>.

Becker:1988:MCP

- [Bec88] Howard S. Becker. More closure properties of pointclasses. *Lecture Notes in Mathematics*, 1333:31–36, 1988. CODEN LN-MAA2. ISBN 3-540-50020-0 (print), 3-540-45896-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084968/>.

Buchweitz:1987:CMM

- [BEH87] Ragnar-Olaf Buchweitz, David Eisenbud, and Jürgen Herzog. Cohen–Macaulay modules on quadrics. *Lecture Notes in Math-*

ematics, 1273:58–116, 1987. CODEN LNMAA2. ISBN 3-540-18263-2 (print), 3-540-47851-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078838/>.

Beilinson:1987:HPB

- [Bei87a] A. A. Beilinson. Height pairing between algebraic cycles. *Lecture Notes in Mathematics*, 1289:1–26, 1987. CODEN LNMAA2. ISBN 3-540-18571-2 (print), 3-540-48016-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078364/>.

Beilinson:1987:HGP

- [Bei87b] A. A. Beilinson. How to glue perverse sheaves. *Lecture Notes in Mathematics*, 1289:42–51, 1987. CODEN LNMAA2. ISBN 3-540-18571-2 (print), 3-540-48016-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078366/>.

Beilinson:1987:DCP

- [Bei87c] A. A. Beilinson. On the derived category of perverse sheaves. *Lecture Notes in Mathematics*, 1289:27–41, 1987. CODEN LNMAA2. ISBN 3-540-18571-2 (print), 3-540-48016-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078365/>.

daVeiga:1988:ILC

- [Bei88] Hugo Beirão da Veiga. On the incompressible limit of the compressible Navier–Stokes equations. *Lecture Notes in Mathematics*, 1340:11–22, 1988. CODEN LNMAA2. ISBN 3-540-50119-3 (print), 3-540-45932-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082881/>.

Bejancu:1985:SCS

- [Bej85] Aurel Bejancu. A survey on CR-submanifolds of Kählerian manifolds. *Lecture Notes in Mathematics*, 1156:14–23, 1985. CODEN LNMAA2. ISBN 3-540-15994-0 (print), 3-540-39698-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075082/>.

Bell:1985:HMS

- [Bel85a] J. Bell. A hydrodynamical model of the sea hare's propulsive mechanism. *Lecture Notes in Mathematics*, 1151:42–48, 1985. CODEN LNMAA2. ISBN 3-540-15694-1 (print), 3-540-39640-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074713/>.

Bellissard:1985:SIQ

- [Bel85b] J. Bellissard. Stability and instability in quantum mechanics. *Lecture Notes in Mathematics*, 1159:204–229, 1985. CODEN LNMAA2. ISBN 3-540-16035-3 (print), 3-540-39706-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080334/>.

Belbas:1987:NSC

- [Bel87a] S. A. Belbas. Numerical solution of certain nonlinear parabolic partial differential equations. *Lecture Notes in Mathematics*, 1248:5–14, 1987. CODEN LNMAA2. ISBN 3-540-17741-8 (print), 3-540-47791-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077411/>.

Bell:1987:CFH

- [Bel87b] S. Bell. Compactness of families of holomorphic mappings up to the boundary. *Lecture Notes in Mathematics*, 1268:29–42, 1987. CODEN LNMAA2. ISBN 3-540-18094-X (print), 3-540-47752-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097294/>.

Bell:1987:EBK

- [Bel87c] S. Bell. Extendibility of the Bergman kernel function. *Lecture Notes in Mathematics*, 1276:33–41, 1987. CODEN LNMAA2. ISBN 3-540-18357-4 (print), 3-540-47904-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078952/>.

Bell:1989:SIP

- [Bel89a] Murray G. Bell. Spaces of ideals of partial functions. *Lecture Notes in Mathematics*, 1401:1–4, 1989. CODEN LNMAA2. ISBN 3-540-51730-8 (print), 3-540-46795-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097327/>.

Bellen:1989:PAS

- [Bel89b] A. Bellen. Parallelism across the steps for difference and differential equations. *Lecture Notes in Mathematics*, 1386:22–35, 1989. CODEN LNMAA2. ISBN 3-540-51478-3 (print), 3-540-48144-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089229/>.

Bemelmans:1988:FBP

- [Bem88] Josef Bemelmans. Free boundary problems for the Navier–Stokes equations. *Lecture Notes in Mathematics*, 1357:96–115, 1988. CODEN LNMAA2. ISBN 3-540-50508-3 (print), 3-540-46024-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082863/>.

Beem:1985:TST

- [BEMG85] John K. Beem, Paul E. Ehrlich, Steen Markvorsen, and Gregory J. Galloway. A Toponogov splitting theorem for Lorentzian manifolds. *Lecture Notes in Mathematics*, 1156:1–13, 1985. CODEN LNMAA2. ISBN 3-540-15994-0 (print), 3-540-39698-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075081/>.

Bennett:1985:SCC

- [Ben85a] M. K. Bennett. Separation conditions on convexity lattices. *Lecture Notes in Mathematics*, 1149:22–36, 1985. CODEN LNMAA2. ISBN 3-540-15691-7 (print), 3-540-39638-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098453/>.

Bensoussan:1985:SSP

- [Ben85b] A. Bensoussan. Some singular perturbation problems arising in stochastic control. *Lecture Notes in Mathematics*, 1119:20–31, 1985. CODEN LNMAA2. ISBN 3-540-15217-2 (print), 3-540-39365-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074778/>.

Bentosela:1985:ESE

- [Ben85c] F. Bentosela. Electrons of a solid in an external electric field. *Lecture Notes in Mathematics*, 1109:32–38, 1985. CODEN LNMAA2. ISBN 3-540-13914-1 (print), 3-540-39138-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101535/>.

Benson:1986:MFG

- [Ben86a] D.-J. Benson. Modules for finite groups: Representation rings, quivers and varieties. *Lecture Notes in Mathematics*, 1178:1–24, 1986. CODEN LNMAA2. ISBN 3-540-16433-2 (print), 3-540-39777-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075287/>.

Bentosela:1986:RSD

- [Ben86b] F. Bentosela. Resonance states in disordered systems. *Lecture Notes in Mathematics*, 1186:246–251, 1986. CODEN LNMAA2. ISBN 3-540-16458-8 (print), 3-540-39795-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076844/>.

Ben:1987:PTS

- [Ben87] H. Ben Saad. Problème de type Skorohod. (French) []. *Lecture Notes in Mathematics*, 1235:15–38, 1987. CODEN LNMAA2. ISBN 3-540-17210-6 (print), 3-540-47406-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072746/>.

Bensoussan:1989:IFZ

- [Ben89] Alain Bensoussan. On the integrated formulation of Zakai and Kushner equations. *Lecture Notes in Mathematics*, 1390:13–23, 1989. CODEN LNMAA2. ISBN 3-540-51510-0 (print), 3-540-48200-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083932/>.

Berard:1985:IIH

- [Bér85a] Pierre H. Bérard. Isoperimetric inequalities, heat equation and geometric applications. *Lecture Notes in Mathematics*, 1156:24–29, 1985. CODEN LNMAA2. ISBN 3-540-15994-0 (print), 3-540-39698-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075083/>.

Bergeron:1985:ACM

- [Ber85b] F. Bergeron. Une approche combinatoire de la méthode de Weisner. (French) []. *Lecture Notes in Mathematics*, 1171:111–119, 1985. CODEN LNMAA2. ISBN 3-540-16059-0 (print), 3-

540-39743-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076536/>.

Berman:1985:LTS

- [Ber85c] Simeon M. Berman. Limit theorems for sojourns of stochastic processes. *Lecture Notes in Mathematics*, 1153:40–71, 1985. CODEN LNMAA2. ISBN 3-540-15704-2 (print), 3-540-39645-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074945/>.

Berndt:1985:RSR

- [Ber85d] Bruce C. Berndt. Remarks on some of Ramanujan's number theoretical discoveries found in his second notebook. *Lecture Notes in Mathematics*, 1122:47–55, 1985. CODEN LNMAA2. ISBN 3-540-15222-9 (print), 3-540-39642-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075749/>.

Bertin:1985:ASN

- [Ber85e] José Bertin. Automorphismes des surfaces non complètes, groupes fuchsien et singularités quasihomogènes. (French) []. *Lecture Notes in Mathematics*, 1146:106–126, 1985. CODEN LNMAA2. ISBN 3-540-15686-0 (print), 3-540-39628-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074536/>.

Berard:1986:BSS

- [Bér86a] Pierre H. Bérard. A brief survey of some recent developments in spectral geometry. *Lecture Notes in Mathematics*, 1207:144–154, 1986. CODEN LNMAA2. ISBN 3-540-16788-9 (print), 3-540-40958-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076337/>.

Berard:1986:GAI

- [Bér86b] Pierre H. Bérard. Geometric applications of isoperimetric methods. *Lecture Notes in Mathematics*, 1207:116–143, 1986. CODEN LNMAA2. ISBN 3-540-16788-9 (print), 3-540-40958-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076336/>.

Berard:1986:IM

- [Bér86c] Pierre H. Bérard. Isoperimetric methods. *Lecture Notes in Mathematics*, 1207:78–97, 1986. CODEN LNMAA2. ISBN 3-540-16788-9 (print), 3-540-40958-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076334/>.

Berard:1986:IMH

- [Bér86d] Pierre H. Bérard. Isoperimetric methods and the heat equation. *Lecture Notes in Mathematics*, 1207:98–115, 1986. CODEN LNMAA2. ISBN 3-540-16788-9 (print), 3-540-40958-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076335/>.

Berard:1986:LRT

- [Bér86e] Pierre H. Bérard. The Laplacian and related topics. *Lecture Notes in Mathematics*, 1207:44–77, 1986. CODEN LNMAA2. ISBN 3-540-16788-9 (print), 3-540-40958-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076333/>.

Berard:1986:MPP

- [Bér86f] Pierre H. Bérard. Motivations and the physical point of view. *Lecture Notes in Mathematics*, 1207:1–20, 1986. CODEN LNMAA2. ISBN 3-540-16788-9 (print), 3-540-40958-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076331/>.

Berard:1986:SGD

- [Bér86g] Pierre H. Bérard. *Spectral Geometry: Direct and Inverse Problems: With an Appendix by G. Besson*, volume 1207 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16788-9 (print), 3-540-40958-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). xiv + 272 pp. LCCN QA3.L28 no. 1207. URL [http://link.springer.com/book/10.1007/BFb0076330](http://link.springer.com/book/10.1007/BFb0076330;); <http://www.springerlink.com/content/978-3-540-40958-8>.

Berard:1986:TRG

- [Bér86h] Pierre H. Bérard. Topics from Riemannian geometry. *Lecture Notes in Mathematics*, 1207:21–43, 1986. CODEN LNMAA2. ISBN 3-540-16788-9 (print), 3-540-40958-0 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076332/>.

Bergeron:1986:CRS

- [Ber86i] F. Bergeron. Combinatorial representations of some Lie groups and Lie algebras. *Lecture Notes in Mathematics*, 1234:34–47, 1986. CODEN LNMAA2. ISBN 3-540-17207-6 (print), 3-540-47402-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072507/>.

Bernardi:1986:SSN

- [Ber86j] Marco Luigi Bernardi. On some singular nonlinear evolution equations. *Lecture Notes in Mathematics*, 1223:12–24, 1986. CODEN LNMAA2. ISBN 3-540-17191-6 (print), 3-540-47350-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099179/>.

Bertero:1986:RML

- [Ber86k] M. Bertero. Regularization methods for linear inverse problems. *Lecture Notes in Mathematics*, 1225:52–112, 1986. CODEN LNMAA2. ISBN 3-540-17193-2 (print), 3-540-47353-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072660/>.

Berenstein:1987:FW

- [Ber87a] Carlos Berenstein. A final word. *Lecture Notes in Mathematics*, 1277:350, 1987. CODEN LNMAA2. ISBN 3-540-18355-8 (print), 3-540-47893-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078255>.

Berger:1987:ESN

- [Ber87b] M. S. Berger. The explicit solution of nonlinear ordinary and partial differential equations I. Conceptual ideas. *Lecture Notes in Mathematics*, 1248:15–27, 1987. CODEN LNMAA2. ISBN 3-540-17741-8 (print), 3-540-47791-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077412/>.

Berndtsson:1987:CTI

- [Ber87c] Bo Berndtsson. ∂_b and Carleson type inequalities. *Lecture Notes in Mathematics*, 1276:42–54, 1987. CODEN LNMAA2. ISBN 3-540-18357-4 (print), 3-540-47904-X (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078953/>.

Bertoin:1987:TLI

- [Ber87d] Jean Bertoin. Temps locaux et intégration stochastique pour les processus de Dirichlet. (French) []. *Lecture Notes in Mathematics*, 1247:191–205, 1987. CODEN LNMAA2. ISBN 3-540-17768-X (print), 3-540-47814-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077634/>.

Berg:1988:UMD

- [Ber88a] Christian Berg. On the uniqueness of minimal definitizing polynomials for a sequence with finitely many negative squares. *Lecture Notes in Mathematics*, 1359:93–99, 1988. CODEN LNMAA2. ISBN 3-540-50524-5 (print), 3-540-46032-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086590/>.

Bergh:1988:FBM

- [Ber88b] Jöran Bergh. Functions of bounded mean oscillation and Hausdorff–Young type theorems. *Lecture Notes in Mathematics*, 1302:130–136, 1988. CODEN LNMAA2. ISBN 3-540-18905-X (print), 3-540-38841-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078869/>.

Berkes:1988:ADS

- [Ber88c] István Berkes. On almost i.i.d. subsequences of the trigonometric system. *Lecture Notes in Mathematics*, 1332:54–63, 1988. CODEN LNMAA2. ISBN 3-540-50018-9 (print), 3-540-45892-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081611/>.

Berndt:1989:RTP

- [Ber89] Bruce C. Berndt. Ramanujan and the theory of prime numbers. *Lecture Notes in Mathematics*, 1395:122–139, 1989. CODEN LNMAA2. ISBN 3-540-51595-X (print), 3-540-46681-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086402/>.

Besson:1985:EQM

- [Bes85] O. Besson. The entropy of quantum Markov states. *Lecture Notes in Mathematics*, 1136:81–89, 1985. CODEN LNMAA2. ISBN 3-540-15661-5 (print), 3-540-39570-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074462/>.

Besson:1988:MEL

- [Bes88] Gérard Besson. On the multiplicity of the eigenvalues of the Laplacian. *Lecture Notes in Mathematics*, 1339:32–53, 1988. CODEN LNMAA2. ISBN 3-540-50113-4 (print), 3-540-45930-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083045/>.

Bouvier:1985:CPP

- [BF85] Alain Bouvier and Marco Fontana. The catenarian property of the polynomial rings over a Prüfer domain. *Lecture Notes in Mathematics*, 1146:340–354, 1985. CODEN LNMAA2. ISBN 3-540-15686-0 (print), 3-540-39628-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074546/>.

Benci:1988:BLT

- [BF88a] Vieri Benci and Donato Fortunato. A “Birkhoff–Lewis” type result for non autonomous differential equations. *Lecture Notes in Mathematics*, 1324:85–96, 1988. CODEN LNMAA2. ISBN 3-540-50111-8 (print), 3-540-45928-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100784/>.

Borisovich:1988:HMT

- [BF88b] Yu. G. Borisovich and T. N. Fomenko. Homological methods in the theory of periodic and equivariant maps. *Lecture Notes in Mathematics*, 1334:21–41, 1988. CODEN LNMAA2. ISBN 3-540-50019-7 (print), 3-540-45894-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080421/>.

Bolek:1986:MSD

- [BFKP86] P. Bolek, J. Fořt, K. Kozel, and J. Polášek. Mathematical solution of direct and inverse problem for transonic cascade flows. *Lecture Notes in Mathematics*, 1192:361–366, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076094/>.

Baratella:1988:BET

- [BG88a] Paola Baratella and Luigi Gatteschi. The bounds for the error term of an asymptotic approximation of Jacobi polynomials. *Lecture Notes in Mathematics*, 1329:203–221, 1988. CODEN LNMAA2. ISBN 3-540-19489-4 (print), 3-540-39295-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083360/>.

Buser:1988:ANC

- [BG88b] Peter Buser and Detlef Gromoll. On the almost negatively curved 3-sphere. *Lecture Notes in Mathematics*, 1339:78–85, 1988. CODEN LNMAA2. ISBN 3-540-50113-4 (print), 3-540-45930-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083048/>.

Bergau:1989:NOO

- [BG89a] Peter Bergau and D. Garbe. Non-orientable and orientable regular maps. *Lecture Notes in Mathematics*, 1398:29–42, 1989. CODEN LNMAA2. ISBN 3-540-51695-6 (print), 3-540-46756-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086237/>.

Bielawski:1989:FPI

- [BG89b] R. Bielawski and L. Górniewicz. A fixed point index approach to some differential equations. *Lecture Notes in Mathematics*, 1411:9–14, 1989. CODEN LNMAA2. ISBN 3-540-51932-7 (print), 3-540-46862-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086436/>.

Bourgain:1989:EBW

- [BG89c] J. Bourgain and M. Gromov. Estimates of Bernstein widths of Sobolev spaces. *Lecture Notes in Mathematics*, 1376:176–185, 1989. CODEN LNMAA2. ISBN 3-540-51303-5 (print), 3-540-46189-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0090054/>.

Byczkowski:1989:LKF

- [BG89d] T. Byczkowski and P. Graczyk. Lévy–Kchinchine formula on vector spaces. *Lecture Notes in Mathematics*, 1391:23–32, 1989. CODEN LNMAA2. ISBN 3-540-51548-8 (print), 3-540-48244-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083377/>.

Benkart:1989:ICH

- [BGO⁺89] G. M. Benkart, T. B. Gregory, J. M. Osborn, H. Strade, and R. L. Wilson. Isomorphism classes of Hamiltonian Lie algebras. *Lecture Notes in Mathematics*, 1373:42–57, 1989. CODEN LNMAA2. ISBN 3-540-51147-4 (print), 3-540-46170-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0088886/>.

Bertrand:1985:PPQ

- [BGR85] J. Bertrand, B. Gaveau, and G. Rideau. Poisson processes and quantum field theory: a model. *Lecture Notes in Mathematics*, 1136:74–80, 1985. CODEN LNMAA2. ISBN 3-540-15661-5 (print), 3-540-39570-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074461/>.

Brown:1989:FPM

- [BGS89] Robert F. Brown, Robert E. Greene, and Helga Schirmer. Fixed points of map extensions. *Lecture Notes in Mathematics*, 1411:24–45, 1989. CODEN LNMAA2. ISBN 3-540-51932-7 (print), 3-540-46862-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086438/>.

Borisovich:1986:GAS

- [BGV86] Yurii G. Borisovich, Yurii E. Gliklikh, and A. M. Vershik. *Global Analysis — Studies and Applications II*, volume 1214 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16821-4 (print), 3-540-47084-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). 275 (est.) pp. LCCN QA3.L28 no. 1214. URL <http://link.springer.com/book/10.1007/BFb0075955>; <http://www.springerlink.com/content/978-3-540-47084-7>.

Bogvad:1986:CR

- [BH86a] Rikard Bøgvad and Stephen Halperin. On a conjecture of roos. *Lecture Notes in Mathematics*, 1183:120–127, 1986. CODEN LNMAA2. ISBN 3-540-16453-7 (print), 3-540-39790-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075453/>.

Bouleau:1986:PAC

- [BH86b] Nicolas Bouleau and Francis Hirsch. Propriétés d'absolue continuité dans les espaces de Dirichlet et application aux équations différentielles stochastiques. (French) []. *Lecture Notes in Mathematics*, 1204:131–161, 1986. CODEN LNMAA2. ISBN 3-540-16779-X (print), 3-540-39860-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075717/>.

Brown:1987:DIC

- [BH87] R. C. Brown and Don Hinton. On the Dirichlet index conjecture. *Lecture Notes in Mathematics*, 1285:39–45, 1987. CODEN LNMAA2. ISBN 3-540-18479-1 (print), 3-540-47983-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080579/>.

Berstein:1989:CWS

- [BH89a] Israel Bernstein and John R. Harper. Cogroups which are not suspensions. *Lecture Notes in Mathematics*, 1370:63–86, 1989. CODEN LNMAA2. ISBN 3-540-51118-0 (print), 3-540-46160-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085219/>.

Bloom:1989:CPK

- [BH89b] Walter R. Bloom and Herbert Heyer. Characterisation of potential kernels of transient convolution semigroups on a commutative hypergroup. *Lecture Notes in Mathematics*, 1379:21–35, 1989. CODEN LNMAA2. ISBN 3-540-51401-5 (print), 3-540-46206-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087842/>.

Bouleau:1989:DRI

- [BH89c] N. Bouleau and F. Hirsch. On the derivability, with respect to the initial data, of the solution of a stochastic differential equation with Lipschitz coefficients. *Lecture Notes in Mathematics*, 1393:

39–57, 1989. CODEN LNMAA2. ISBN 3-540-51592-5 (print), 3-540-46675-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085770/>.

Bump:1989:SCR

- [BH89d] Daniel Bump and Jeffrey Hoffstein. Some conjectured relationships between theta functions and Eisenstein series on the metaplectic group. *Lecture Notes in Mathematics*, 1383:1–11, 1989. CODEN LNMAA2. ISBN 3-540-51549-6 (print), 3-540-46640-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083566/>.

Backelin:1988:MFH

- [BHS88] Jürgen Backelin, Jürgen Herzog, and Herbert Sanders. Matrix factorizations of homogeneous polynomials. *Lecture Notes in Mathematics*, 1352:1–33, 1988. CODEN LNMAA2. ISBN 3-540-50371-4 (print), 3-540-45994-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082014/>.

Burns:1989:SSF

- [BHT89] John A. Burns, Terry L. Herdman, and Janos Turi. State-space formulation for functional differential equations of neutral-type. *Lecture Notes in Mathematics*, 1394:1–10, 1989. CODEN LNMAA2. ISBN 3-540-51594-1 (print), 3-540-46679-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086747/>.

Biane:1989:CAC

- [Bia89] Philippe Biane. Comportement asymptotique de certaines fonctionnelles additives de plusieurs mouvements browniens. (French) []. *Lecture Notes in Mathematics*, 1372:198–233, 1989. CODEN LNMAA2. ISBN 3-540-51191-1 (print), 3-540-46176-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083974/>.

Bigolin:1985:RIP

- [Big85] Bruno Bigolin. Remarques sur les idéaux de polynômes. (French) []. *Lecture Notes in Mathematics*, 1165:14–29, 1985. CODEN LNMAA2. ISBN 3-540-16050-7 (print), 3-540-39734-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076143/>.

Bihari:1985:PSS

- [Bih85] I. Bihari. Periodic solutions of some second order nonlinear differential equations with periodic coefficients. *Lecture Notes in Mathematics*, 1151:49–59, 1985. CODEN LNMAA2. ISBN 3-540-15694-1 (print), 3-540-39640-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074714/>.

Bingham:1986:ACL

- [Bin86] Michael S. Bingham. On the assumptions of a central limit theorem for approximate martingale arrays on a group. *Lecture Notes in Mathematics*, 1210:1–12, 1986. CODEN LNMAA2. ISBN 3-540-16806-0 (print), 3-540-44852-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077167/>.

Bingham:1989:FAP

- [Bin89a] Michael S. Bingham. A Fourier-analytic proof that conditional probability distributions exist on a group. *Lecture Notes in Mathematics*, 1379:1–5, 1989. CODEN LNMAA2. ISBN 3-540-51401-5 (print), 3-540-46206-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087840/>.

Bingham:1989:TTP

- [Bin89b] N. H. Bingham. Tauberian theorems in probability theory. *Lecture Notes in Mathematics*, 1379:6–20, 1989. CODEN LNMAA2. ISBN 3-540-51401-5 (print), 3-540-46206-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087841/>.

Biroli:1985:WOB

- [Bir85] M. Biroli. Wiener obstacles for the biharmonic operator. *Lecture Notes in Mathematics*, 1151:60–67, 1985. CODEN LNMAA2. ISBN 3-540-15694-1 (print), 3-540-39640-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074715/>.

Bismut:1986:PG

- [Bis86] Jean-Michel Bismut. Probability and geometry. *Lecture Notes in Mathematics*, 1206:1–60, 1986. CODEN LNMAA2. ISBN 3-540-16787-0 (print), 3-540-40955-6 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076299/>; <http://link.springer.com/content/pdf/bfm:978-3-540-40955-7/1.pdf>.

Baltus:1986:FBV

- [BJ86] Christopher Baltus and William B. Jones. A family of best value regions for modified continued fractions. *Lecture Notes in Mathematics*, 1199:1–20, 1986. CODEN LNMAA2. ISBN 3-540-16768-4 (print), 3-540-38817-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075931/>.

Barratt:1987:KIH

- [BJM87] M. G. Barratt, J. D. S. Jones, and M. E. Mahowald. The Kervaire invariant and the Hopf invariant. *Lecture Notes in Mathematics*, 1286:135–173, 1987. CODEN LNMAA2. ISBN 3-540-18481-3 (print), 3-540-47986-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078740/>.

Bjork:1989:ACN

- [Bjö89a] Jan-Erik Björk. The Auslander condition on Noetherian rings. *Lecture Notes in Mathematics*, 1404:137–173, 1989. CODEN LNMAA2. ISBN 3-540-51812-6 (print), 3-540-46814-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084075/>.

Bourgeade:1989:PRH

- [BJO89b] A. Bourgeade, H. Jourden, and J. Ovidia. Problème de Riemann en hydrodynamique et applications. (French) []. *Lecture Notes in Mathematics*, 1402:37–55, 1989. CODEN LNMAA2. ISBN 3-540-51746-4 (print), 3-540-46800-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083867/>.

Bano:1988:RFK

- [BK88a] Shigetoshi Bando and Ryoichi Kobayashi. Ricci-flat Kähler metrics on affine algebraic manifolds. *Lecture Notes in Mathematics*, 1339:20–31, 1988. CODEN LNMAA2. ISBN 3-540-50113-4 (print), 3-540-45930-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083044/>.

Boyle:1988:AMS

- [BK88b] Mike Boyle and Wolfgang Krieger. Almost Markov and shift equivalent sofic systems. *Lecture Notes in Mathematics*, 1342: 33–93, 1988. CODEN LNMAA2. ISBN 3-540-50174-6 (print), 3-540-45946-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082823/>.

Butkovic:1987:FAI

- [BKK87] Davor Butković, Svetozar Kurepa, and Hrvoje Kraljević. *Functional Analysis II*, volume 1242 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-17833-3 (print), 3-540-47876-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). 432 (est.) pp. LCCN QA3 .L28 no. 1242. URL <http://link.springer.com/book/10.1007/BFb0072440>; <http://www.springerlink.com/content/978-3-540-47876-8>.

Butkovic:1987:AC

- [BKS87] D. Butković, H. Kraljević, and N. Sarapa. On the almost convergence. *Lecture Notes in Mathematics*, 1242:396–417, 1987. CODEN LNMAA2. ISBN 3-540-17833-3 (print), 3-540-47876-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072446/>.

Bourgain:1989:GFD

- [BKT89] J. Bourgain, N. J. Kalton, and L. Tzafriri. Geometry of finite dimensional subspaces and quotients of L_p . *Lecture Notes in Mathematics*, 1376:138–175, 1989. CODEN LNMAA2. ISBN 3-540-51303-5 (print), 3-540-46189-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0090053/>.

Barchielli:1985:DOV

- [BL85] A. Barchielli and G. Lupieri. Dilations of operation valued stochastic processes. *Lecture Notes in Mathematics*, 1136:57–66, 1985. CODEN LNMAA2. ISBN 3-540-15661-5 (print), 3-540-39570-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074459/>.

Bouleau:1986:TLP

- [BL86] N. Bouleau and D. Lambertson. Théorie de Littlewood–Paley–Stein et processus stables. (French) []. *Lecture Notes in Mathematics*, 1204:162–185, 1986. CODEN LNMAA2. ISBN 3-540-16779-X (print), 3-540-39860-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075718/>.

Bourgain:1988:PB

- [BL88] J. Bourgain and J. Lindenstrauss. Projection bodies. *Lecture Notes in Mathematics*, 1317:250–270, 1988. CODEN LNMAA2. ISBN 3-540-19353-7 (print), 3-540-39235-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081746/>.

Barchielli:1989:CSQ

- [BL89a] A. Barchielli and G. Lupieri. Convolution semigroups in quantum probability and quantum stochastic calculus. *Lecture Notes in Mathematics*, 1396:107–127, 1989. CODEN LNMAA2. ISBN 3-540-51613-1 (print), 3-540-46713-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083548/>.

Bourgain:1989:AES

- [BL89b] J. Bourgain and J. Lindenstrauss. Almost Euclidean sections in spaces with a symmetric basis. *Lecture Notes in Mathematics*, 1376:278–288, 1989. CODEN LNMAA2. ISBN 3-540-51303-5 (print), 3-540-46189-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0090062/>.

Blackadar:1985:NST

- [Bla85a] Bruce Blackadar. Noncommutative shape theory. *Lecture Notes in Mathematics*, 1132:38–45, 1985. CODEN LNMAA2. ISBN 3-540-15643-7 (print), 3-540-39514-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074878/>.

Blass:1985:KDU

- [Bla85b] Andreas Blass. Kleene degrees of ultrafilters. *Lecture Notes in Mathematics*, 1141:29–48, 1985. CODEN LNMAA2. ISBN 3-540-15673-9 (print), 3-540-39596-2 (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076213/>.

Bland:1987:IPO

- [Bla87] J. S. Bland. The imbedding problem for open complex manifolds. *Lecture Notes in Mathematics*, 1268:43–59, 1987. CODEN LNMAA2. ISBN 3-540-18094-X (print), 3-540-47752-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097295/>.

Blass:1989:ASF

- [Bla89] Andreas Blass. Applications of superperfect forcing and its relatives. *Lecture Notes in Mathematics*, 1401:18–40, 1989. CODEN LNMAA2. ISBN 3-540-51730-8 (print), 3-540-46795-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097329/>.

Bleiler:1985:PTC

- [Ble85a] Steven A. Bleiler. Prime tangles and composite knots. *Lecture Notes in Mathematics*, 1144:1–13, 1985. CODEN LNMAA2. ISBN 3-540-15680-1 (print), 3-540-39616-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075008/>.

Bleistein:1985:IMR

- [Ble85b] Norman Bleistein. Inverse methods for reflector imaging. *Lecture Notes in Mathematics*, 1151:68–76, 1985. CODEN LNMAA2. ISBN 3-540-15694-1 (print), 3-540-39640-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074716/>.

Blel:1986:SEA

- [Ble86] M. Blel. Sur les singularités des ensembles analytiques. (French) []. *Lecture Notes in Mathematics*, 1198:65–72, 1986. CODEN LNMAA2. ISBN 3-540-16762-5 (print), 3-540-38729-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077043/>.

Bliznyakov:1986:CII

- [Bli86] N. M. Bliznyakov. Cauchy indices and the index of a singular point of a vector field. *Lecture Notes in Mathematics*, 1214:1–20, 1986. CODEN LNMAA2. ISBN 3-540-16821-4 (print), 3-540-47084-0

(e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075956/>.

Bliznyakov:1988:TIE

- [Bli88] N. M. Bliznyakov. Topological index estimates. *Lecture Notes in Mathematics*, 1334:180–198, 1988. CODEN LNMAA2. ISBN 3-540-50019-7 (print), 3-540-45894-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080429/>.

Benachour:1989:ANC

- [BLL89] Saïd Benachour, Alain Yves Le Roux, and Marie-Noëlle Le Roux. Approximation to nonlinear convection diffusion equations. *Lecture Notes in Mathematics*, 1402:1–11, 1989. CODEN LNMAA2. ISBN 3-540-51746-4 (print), 3-540-46800-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083864/>.

Bourgain:1988:MSS

- [BLM88] J. Bourgain, J. Lindenstrauss, and V. D. Milman. Minkowski sums and symmetrizations. *Lecture Notes in Mathematics*, 1317:44–66, 1988. CODEN LNMAA2. ISBN 3-540-19353-7 (print), 3-540-39235-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081735/>.

Bourgain:1989:ERS

- [BLM89] J. Bourgain, J. Lindenstrauss, and V. Milman. Estimates related to Steiner symmetrizations. *Lecture Notes in Mathematics*, 1376:264–273, 1989. CODEN LNMAA2. ISBN 3-540-51303-5 (print), 3-540-46189-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0090060/>.

Blomstrom:1985:SIP

- [Blo85] Carol Blomstrom. Symmetric immersions in pseudo-Riemannian space forms. *Lecture Notes in Mathematics*, 1156:30–45, 1985. CODEN LNMAA2. ISBN 3-540-15994-0 (print), 3-540-39698-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075084/>.

Bloom:1986:IMC

- [Blo86] Walter R. Bloom. Idempotent measures on commutative hypergroups. *Lecture Notes in Mathematics*, 1210:13–23, 1986. CODEN LNMAA2. ISBN 3-540-16806-0 (print), 3-540-44852-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077168/>.

Bourgeade:1987:ASG

- [BLR87] A. Bourgeade, P. Le Floch, and P.-A. Raviart. Approximate solution of the generalized Riemann problem and applications. *Lecture Notes in Mathematics*, 1270:1–9, 1987. CODEN LNMAA2. ISBN 3-540-18200-4 (print), 3-540-47805-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078313/>.

Blum:1985:ALE

- [Blu85a] H. Blum. On the approximation of linear elliptic systems on polygonal domains. *Lecture Notes in Mathematics*, 1121:28–37, 1985. CODEN LNMAA2. ISBN 3-540-15219-9 (print), 3-540-39377-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076260/>.

Blumenfeld:1985:RIP

- [Blu85b] Matthias Blumenfeld. The regularity of interface-problems on corner-regions. *Lecture Notes in Mathematics*, 1121:38–54, 1985. CODEN LNMAA2. ISBN 3-540-15219-9 (print), 3-540-39377-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076261/>.

Blumenthal:1985:CFM

- [Blu85c] Robert A. Blumenthal. Connections on foliated manifolds. *Lecture Notes in Mathematics*, 1165:30–35, 1985. CODEN LNMAA2. ISBN 3-540-16050-7 (print), 3-540-39734-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076144/>.

Blumenthal:1986:MBM

- [Blu86] R. A. Blumenthal. Mappings between manifolds with Cartan connections. *Lecture Notes in Mathematics*, 1209:94–99, 1986. CODEN LNMAA2. ISBN 3-540-16801-X (print), 3-540-44844-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076622/>.

Biane:1987:PQR

- [BLY87] Ph. Biane, J.-F. Le Gall, and M. Yor. Un processus qui ressemble au pont brownien. (French) []. *Lecture Notes in Mathematics*, 1247:270–275, 1987. CODEN LNMAA2. ISBN 3-540-17768-X (print), 3-540-47814-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077641/>.

Bulinskaya:1985:ABS

- [BM85] E. V. Bulinskaya and S. A. Molčanov. Asymptotic behaviour of some random fields. *Lecture Notes in Mathematics*, 1155:21–46, 1985. CODEN LNMAA2. ISBN 3-540-15985-1 (print), 3-540-39686-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074811/>.

Bank:1986:CMG

- [BM86] R. E. Bank and H. D. Mittelmann. Continuation and multigrid for nonlinear elliptic systems. *Lecture Notes in Mathematics*, 1228:23–37, 1986. CODEN LNMAA2. ISBN 3-540-17198-3 (print), 3-540-47372-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072639/>.

Barlet:1987:DAT

- [BM87] D. Barlet and H.-M. Maire. Développements asymptotiques, transformation de Mellin complexe et intégration sur les fibres. (French) []. *Lecture Notes in Mathematics*, 1295:11–23, 1987. CODEN LNMAA2. ISBN 3-540-18691-3 (print), 3-540-48084-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081975/>.

Barreto:1988:END

- [BM88] Antônio Sà Barreto and Richard B. Melrose. Examples of non-discreteness for the interaction geometry of semilinear progressing waves in two space dimensions. *Lecture Notes in Mathematics*, 1324:186–196, 1988. CODEN LNMAA2. ISBN 3-540-50111-8 (print), 3-540-45928-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100792/>.

Bachmuth:1989:IGA

- [BM89a] Seymour Bachmuth and H. Y. Mochizuki. Infinite generation of automorphism groups. *Lecture Notes in Mathematics*, 1398:25–28, 1989. CODEN LNMAA2. ISBN 3-540-51695-6 (print), 3-540-46756-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086236/>.

Bolondi:1989:CLP

- [BM89b] Giorgio Bolondi and Juan Carlos Migliore. Configurations of linear projective subvarieties. *Lecture Notes in Mathematics*, 1389:19–31, 1989. CODEN LNMAA2. ISBN 3-540-51509-7 (print), 3-540-48188-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085921/>.

Borkar:1989:LAS

- [BM89c] Vivek S. Borkar and Sanjoy K. Mitter. Lattice approximation in the stochastic quantization of $(\phi^4)_2$ fields. *Lecture Notes in Mathematics*, 1390:24–32, 1989. CODEN LNMAA2. ISBN 3-540-51510-0 (print), 3-540-48200-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083933/>.

Boyer:1989:IH

- [BM89d] Charles P. Boyer and Benjamin M. Mann. Instantons and homotopy. *Lecture Notes in Mathematics*, 1370:87–102, 1989. CODEN LNMAA2. ISBN 3-540-51118-0 (print), 3-540-46160-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085220/>.

Bourgain:1988:GI

- [BMMP88] J. Bourgain, M. Meyer, V. Milman, and A. Pajor. On a geometric inequality. *Lecture Notes in Mathematics*, 1317:271–282, 1988. CODEN LNMAA2. ISBN 3-540-19353-7 (print), 3-540-39235-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081747/>.

Bruner:1986:RST

- [BMMS86] Robert R. Bruner, J. Peter May, James E. McClure, and Mark Steinberger. H_∞ Ring Spectra and their Applications, volume 1176 of *Lecture Notes in Mathematics*. Springer-Verlag,

Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16434-0 (print), 3-540-39778-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). 377 (est.) pp. LCCN QA3 .L28 no. 1176. URL <http://link.springer.com/book/10.1007/BFb0075405>; <http://www.springerlink.com/content/978-3-540-39778-6>.

Beilinson:1987:SVN

- [BMS87] A. A. Beilinson, Yu. I. Manin, and V. V. Schechtman. Sheaves of the Virasoro and Neveu–Schwarz algebras. *Lecture Notes in Mathematics*, 1289:52–66, 1987. CODEN LNMAA2. ISBN 3-540-18571-2 (print), 3-540-48016-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078367/>.

Bion-Nadal:1985:BBA

- [BN85] J. Bion-Nadal. Banach bimodule associated to an action of a discrete group on a compact space. *Lecture Notes in Mathematics*, 1132:30–37, 1985. CODEN LNMAA2. ISBN 3-540-15643-7 (print), 3-540-39514-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074877/>.

Brietzke:1988:MAM

- [BN88] Eduardo Brietzke and Pedro Nowosad. Mathematical aspects of the minimum critical mass problem. *Lecture Notes in Mathematics*, 1324:53–64, 1988. CODEN LNMAA2. ISBN 3-540-50111-8 (print), 3-540-45928-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100782/>.

Babuska:1985:FEM

- [BO85] I. Babuška and J. E. Osborn. Finite element methods for the solution of problems with rough input data. *Lecture Notes in Mathematics*, 1121:1–18, 1985. CODEN LNMAA2. ISBN 3-540-15219-9 (print), 3-540-39377-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076258/>.

Bodigheimer:1987:SSM

- [Böd87] C.-F. Bödigheimer. Stable splittings of mapping spaces. *Lecture Notes in Mathematics*, 1286:174–187, 1987. CODEN LNMAA2. ISBN 3-540-18481-3 (print), 3-540-47986-4 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078741/>.

Bohme:1986:GLE

- [Böh86] Olaf Böhme. On a generalization of the Lyapunov exponent of a second order linear stochastic differential equation. *Lecture Notes in Mathematics*, 1186:191–199, 1986. CODEN LNMAA2. ISBN 3-540-16458-8 (print), 3-540-39795-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076839/>.

Bohnke:1988:ATB

- [Boh88] Georges Bohnké. Algèbres de type Besov–Sobolev. (French) []. *Lecture Notes in Mathematics*, 1359:113–121, 1988. CODEN LNMAA2. ISBN 3-540-50524-5 (print), 3-540-46032-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086592/>.

Bojarski:1988:RSI

- [Boj88a] B. Bojarski. Remarks on Sobolev imbedding inequalities. *Lecture Notes in Mathematics*, 1351:52–68, 1988. CODEN LNMAA2. ISBN 3-540-50370-6 (print), 3-540-45992-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081242/>.

Bojarski:1988:RLF

- [Boj88b] Bogdan Bojarski. Remarks on local function spaces. *Lecture Notes in Mathematics*, 1302:137–152, 1988. CODEN LNMAA2. ISBN 3-540-18905-X (print), 3-540-38841-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078870/>.

Bokut:1988:SNR

- [Bok88] L. A. Bokut'. Some new results in the combinatorial theory of rings and groups. *Lecture Notes in Mathematics*, 1352:34–43, 1988. CODEN LNMAA2. ISBN 3-540-50371-4 (print), 3-540-45994-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082015/>.

Boldrini:1988:CSC

- [Bol88] José Luiz Boldrini. Convergence of solutions of capillo-viscoelastic perturbations of the equations of elasticity. *Lecture Notes in Mathematics*, 1324:41–52, 1988. CODEN LNMAA2. ISBN 3-540-50111-

8 (print), 3-540-45928-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100781/>.

Bombieri:1987:TME

- [Bom87] E. Bombieri. On the Thue–Mahler equation. *Lecture Notes in Mathematics*, 1290:213–243, 1987. CODEN LNMAA2. ISBN 3-540-18597-6 (print), 3-540-48023-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078711/>.

Bongartz:1985:QFF

- [Bon85] Klaus Bongartz. Quadratic forms and finite representation type. *Lecture Notes in Mathematics*, 1146:325–339, 1985. CODEN LNMAA2. ISBN 3-540-15686-0 (print), 3-540-39628-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074545/>.

Bony:1989:AMS

- [Bon89] Jean-Michel Bony. Analyse microlocale et singularités non linéaires. (French) []. *Lecture Notes in Mathematics*, 1402:114–127, 1989. CODEN LNMAA2. ISBN 3-540-51746-4 (print), 3-540-46800-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083871/>.

Borell:1985:IBS

- [Bor85] Christer Borell. Intrinsic bounds on some real-valued stationary random functions. *Lecture Notes in Mathematics*, 1153:72–95, 1985. CODEN LNMAA2. ISBN 3-540-15704-2 (print), 3-540-39645-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074946/>.

Borell:1986:BSA

- [Bor86] Christer Borell. A brief survey of Antoine Ehrhard’s scientific work. *Lecture Notes in Mathematics*, 1193:1–3, 1986. CODEN LNMAA2. ISBN 3-540-16487-1 (print), 3-540-39826-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077095/>.

Borel:1987:VTR

- [Bor87a] Armand Borel. A vanishing theorem in relative Lie algebra cohomology. *Lecture Notes in Mathematics*, 1271:1–16, 1987. CODEN

LNMAA2. ISBN 3-540-18234-9 (print), 3-540-47834-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079230/>.

Borho:1987:NOP

- [Bor87b] Walter Borho. Nilpotent orbits, primitive ideals, and characteristic classes. *Lecture Notes in Mathematics*, 1271:17–32, 1987. CODEN LNMAA2. ISBN 3-540-18234-9 (print), 3-540-47834-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079231/>.

Borisovich:1988:POB

- [Bor88a] A. Yu. Borisovich. Plateau operator and bifurcations of two-dimensional minimal surfaces. *Lecture Notes in Mathematics*, 1334:1–20, 1988. CODEN LNMAA2. ISBN 3-540-50019-7 (print), 3-540-45894-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080420/>.

Borisovich:1988:MAT

- [Bor88b] Yu. G. Borisovich. Modern approach to the theory of topological characteristics of nonlinear operators I. *Lecture Notes in Mathematics*, 1334:199–220, 1988. CODEN LNMAA2. ISBN 3-540-50019-7 (print), 3-540-45894-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080430/>.

Borisovich:1989:TCI

- [Bor89] Yu. G. Borisovich. Topological characteristics of infinite-dimensional mappings and the theory of fixed points and coincidences. *Lecture Notes in Mathematics*, 1411:15–23, 1989. CODEN LNMAA2. ISBN 3-540-51932-7 (print), 3-540-46862-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086437/>.

Bose:1986:ADB

- [Bos86] A. Bose. Age distributions in birth and death processes. *Lecture Notes in Mathematics*, 1212:52–58, 1986. CODEN LNMAA2. ISBN 3-540-16803-6 (print), 3-540-47053-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076237/>.

Bourgain:1985:SRB

- [Bou85a] J. Bourgain. Some remarks on the Banach space structure of the ball-algebras. *Lecture Notes in Mathematics*, 1166:4–10, 1985. CODEN LNMAA2. ISBN 3-540-16051-5 (print), 3-540-39736-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074686/>.

Bourgain:1985:SAD

- [Bou85b] J. Bourgain. Subspaces of L_N^∞ , arithmetical diameter and Sidon sets. *Lecture Notes in Mathematics*, 1153:96–127, 1985. CODEN LNMAA2. ISBN 3-540-15704-2 (print), 3-540-39645-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074947/>.

Bougerol:1986:OPM

- [Bou86a] Philippe Bougerol. Oscillation des produits de matrices aléatoires dont l'exposant de Lyapounov est nul. (French) []. *Lecture Notes in Mathematics*, 1186:27–36, 1986. CODEN LNMAA2. ISBN 3-540-16458-8 (print), 3-540-39795-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076831/>.

Bourguignon:1986:IIF

- [Bou86b] Jean-Pierre Bourguignon. Invariants intégraux fonctionnels pour des équations aux dérivées partielles d'origine géométrique. (French) []. *Lecture Notes in Mathematics*, 1209:100–108, 1986. CODEN LNMAA2. ISBN 3-540-16801-X (print), 3-540-44844-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076623/>.

Bouleau:1987:AVC

- [Bou87a] Nicolas Bouleau. Autour de la variance comme forme de Dirichlet: filtrations et résolutions de l'identité contractions et BMO, espérances conditionnelles et principe complet du maximum. (French) []. *Lecture Notes in Mathematics*, 1235:39–53, 1987. CODEN LNMAA2. ISBN 3-540-17210-6 (print), 3-540-47406-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072747/>.

Bouleau:1987:ELD

- [Bou87b] Nicolas Bouleau. Énergie locale et densité de temps d'occupation. (French) []. *Lecture Notes in Mathematics*, 1235:54–56, 1987.

CODEN LNMAA2. ISBN 3-540-17210-6 (print), 3-540-47406-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072748/>.

Bourgain:1987:DCA

- [Bou87c] J. Bourgain. A density condition for analyticity of the restriction algebra. *Lecture Notes in Mathematics*, 1267:151–156, 1987. CODEN LNMAA2. ISBN 3-540-18103-2 (print), 3-540-47771-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078142/>.

Bourgain:1987:DFM

- [Bou87d] J. Bourgain. On dimension free maximal inequalities for convex symmetric bodies in \mathcal{R}^n . *Lecture Notes in Mathematics*, 1267:168–176, 1987. CODEN LNMAA2. ISBN 3-540-18103-2 (print), 3-540-47771-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078144/>.

Bourgain:1987:LPC

- [Bou87e] J. Bourgain. On lattice packing of convex symmetric sets in \mathcal{R}^n . *Lecture Notes in Mathematics*, 1267:5–12, 1987. CODEN LNMAA2. ISBN 3-540-18103-2 (print), 3-540-47771-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078132/>.

Bourgain:1987:REL

- [Bou87f] J. Bourgain. Remarks on the extension of Lipschitz maps defined on discrete sets and uniform homeomorphisms. *Lecture Notes in Mathematics*, 1267:157–167, 1987. CODEN LNMAA2. ISBN 3-540-18103-2 (print), 3-540-47771-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078143/>.

Bourguignon:1987:YMT

- [Bou87g] Jean-Pierre Bourguignon. Yang–Mills theory: The differential geometric side. *Lecture Notes in Mathematics*, 1263:13–54, 1987. CODEN LNMAA2. ISBN 3-540-18012-5 (print), 3-540-47249-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078609/>.

Bourgain:1988:APE

- [Bou88a] J. Bourgain. An approach to pointwise ergodic theorems. *Lecture Notes in Mathematics*, 1317:204–223, 1988. CODEN LNMAA2. ISBN 3-540-19353-7 (print), 3-540-39235-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081742/>.

Bourgain:1988:FDH

- [Bou88b] J. Bourgain. On finite dimensional homogeneous Banach spaces. *Lecture Notes in Mathematics*, 1317:232–238, 1988. CODEN LNMAA2. ISBN 3-540-19353-7 (print), 3-540-39235-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081744/>.

Bourgain:1988:VVH

- [Bou88c] J. Bourgain. Vector-valued Hausdorff–Young inequalities and applications. *Lecture Notes in Mathematics*, 1317:239–249, 1988. CODEN LNMAA2. ISBN 3-540-19353-7 (print), 3-540-39235-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081745/>.

Bourn:1988:PNA

- [Bou88d] Dominique Bourn. Pseudofunctors and non-abelian weak equivalences. *Lecture Notes in Mathematics*, 1348:55–71, 1988. CODEN LNMAA2. ISBN 3-540-50362-5 (print), 3-540-45985-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081348/>.

Bourgain:1989:KRP

- [Bou89a] J. Bourgain. On Kolmogorov’s rearrangement problem for orthogonal systems and Garsia’s conjecture. *Lecture Notes in Mathematics*, 1376:209–250, 1989. CODEN LNMAA2. ISBN 3-540-51303-5 (print), 3-540-46189-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0090057/>.

Bourgain:1989:BCL

- [Bou89b] J. Bourgain. On the behavior of the constant in the Littlewood–Paley inequality. *Lecture Notes in Mathematics*, 1376:202–208, 1989. CODEN LNMAA2. ISBN 3-540-51303-5 (print), 3-540-46189-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0090056/>.

Boyle:1988:NSA

- [Boy88] M. Boyle. Nasu's simple automorphisms. *Lecture Notes in Mathematics*, 1342:23–32, 1988. CODEN LNMAA2. ISBN 3-540-50174-6 (print), 3-540-45946-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082822/>.

Baronti:1988:NSC

- [BP88a] Marco Baronti and Pier Luigi Papini. Nearby sets and centers. *Lecture Notes in Mathematics*, 1354:98–105, 1988. CODEN LNMAA2. ISBN 3-540-50443-5 (print), 3-540-46005-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089585/>.

Bondesson:1988:CM

- [BP88b] Lennart Bondesson and Jaak Peetre. The classes V_a are monotone. *Lecture Notes in Mathematics*, 1302:153–157, 1988. CODEN LNMAA2. ISBN 3-540-18905-X (print), 3-540-38841-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078871/>.

Borceux:1988:DTB

- [BP88c] Francis Borceux and Joan Wick Pelletier. Descent theory for Banach modules. *Lecture Notes in Mathematics*, 1348:36–54, 1988. CODEN LNMAA2. ISBN 3-540-50362-5 (print), 3-540-45985-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081347/>.

Burghilea:1988:CHC

- [BP88d] Dan Burghilea and Micheline Vigué Poirrier. Cyclic homology of commutative algebras I. *Lecture Notes in Mathematics*, 1318:51–72, 1988. CODEN LNMAA2. ISBN 3-540-19340-5 (print), 3-540-39204-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077794/>.

Billey:1987:DDE

- [BPPS87] V. Billey, J. Périaux, P. Perrier, and B. Stoufflet. 2-D and 3-D Euler computations with finite element methods in aerodynamics. *Lecture Notes in Mathematics*, 1270:64–81, 1987. CODEN LNMAA2. ISBN 3-540-18200-4 (print), 3-540-47805-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078318/>.

Bourgain:1989:DPE

- [BPSTJ89] J. Bourgain, A. Pajor, S. J. Szarek, and N. Tomczak-Jaegermann. On the duality problem for entropy numbers of operators. *Lecture Notes in Mathematics*, 1376:50–63, 1989. CODEN LNMAA2. ISBN 3-540-51303-5 (print), 3-540-46189-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0090048/>.

Burridge:1986:SRP

- [BPW86] R. Burridge, G. Papanicolaou, and B. White. Statistics of reflected pulses. *Lecture Notes in Mathematics*, 1186:265–270, 1986. CODEN LNMAA2. ISBN 3-540-16458-8 (print), 3-540-39795-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076847/>.

Balasubramanian:1985:HVT

- [BR85a] R. Balasubramanian and K. Ramachandra. A hybrid version of a theorem of Ingham. *Lecture Notes in Mathematics*, 1122:38–46, 1985. CODEN LNMAA2. ISBN 3-540-15222-9 (print), 3-540-39642-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075748/>.

Bertrand:1985:IAE

- [BR85b] J. Bertrand and G. Rideau. An intrinsic approach to the evolution of quantum observables in terms of stochastic processes on phase space. *Lecture Notes in Mathematics*, 1109:39–54, 1985. CODEN LNMAA2. ISBN 3-540-13914-1 (print), 3-540-39138-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101536/>.

Bushnell:1985:SAM

- [BR85c] Colin J. Bushnell and Irving Reiner. A survey of analytic methods in noncommutative number theory. *Lecture Notes in Mathematics*, 1142:50–87, 1985. CODEN LNMAA2. ISBN 3-540-15674-7 (print), 3-540-39601-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074792/>.

Backelin:1986:WDY

- [BR86] Jörgen Backelin and Jan-Erik Roos. When is the double Yoneda ext-algebra of a local Noetherian ring again Noetherian? *Lec-*

ture Notes in Mathematics, 1183:101–119, 1986. CODEN LNMAA2. ISBN 3-540-16453-7 (print), 3-540-39790-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075452/>.

Bergelson:1988:WMA

- [BR88] Vitaly Bergelson and Daniel J. Rudolph. Weakly mixing actions of F^∞ have infinite subgroup actions which are Bernoulli. *Lecture Notes in Mathematics*, 1342:7–22, 1988. CODEN LNMAA2. ISBN 3-540-50174-6 (print), 3-540-45946-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082821/>.

Berrick:1989:EMI

- [BR89] A. J. Berrick and Duane Randall. On equivariant maps and immersions of real projective spaces. *Lecture Notes in Mathematics*, 1370:57–62, 1989. CODEN LNMAA2. ISBN 3-540-51118-0 (print), 3-540-46160-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085218/>.

Braams:1986:MEC

- [Bra86a] B. J. Braams. Magnetohydrodynamic equilibrium calculations using multigrid. *Lecture Notes in Mathematics*, 1228:38–51, 1986. CODEN LNMAA2. ISBN 3-540-17198-3 (print), 3-540-47372-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072640/>.

Braess:1986:CMM

- [Bra86b] Dietrich Braess. On the combination of the multigrid method and conjugate gradients. *Lecture Notes in Mathematics*, 1228:52–64, 1986. CODEN LNMAA2. ISBN 3-540-17198-3 (print), 3-540-47372-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072641/>.

Brailov:1986:CIN

- [Bra86c] A. V. Brailov. Complete integrability with noncommuting integrals of certain Euler equations. *Lecture Notes in Mathematics*, 1214:21–39, 1986. CODEN LNMAA2. ISBN 3-540-16821-4 (print), 3-540-47084-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075957/>.

Bramble:1986:CPE

- [Bra86d] J. H. Bramble. The construction of preconditioners for elliptic problems by substructuring. *Lecture Notes in Mathematics*, 1230:158–166, 1986. CODEN LNMAA2. ISBN 3-540-17200-9 (print), 3-540-47379-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072678/>.

Brandt:1986:MLA

- [BRA86e] Achi Brandt, Dorit Ron, and Daniel J. Amit. Multi-level approaches to discrete-state and stochastic problems. *Lecture Notes in Mathematics*, 1228:65–98, 1986. CODEN LNMAA2. ISBN 3-540-17198-3 (print), 3-540-47372-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072642/>.

Bratteli:1986:AR

- [Bra86f] Ola Bratteli. Additional remarks. *Lecture Notes in Mathematics*, 1229:261–264, 1986. CODEN LNMAA2. ISBN 3-540-17199-1 (print), 3-540-47376-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098822/>.

Bratteli:1986:DDG

- [Bra86g] Ola Bratteli. *Derivations, Dissipations and Group Actions on C*-algebras*, volume 1229 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-17199-1 (print), 3-540-47376-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). vi + 277 pp. LCCN QA3 .L28 no. 1229. URL [http://link.springer.com/book/10.1007/BFb0098817](http://link.springer.com/book/10.1007/BFb0098817;); <http://www.springerlink.com/content/978-3-540-47376-3>.

Bratteli:1986:D

- [Bra86h] Ola Bratteli. Dissipations. *Lecture Notes in Mathematics*, 1229:241–260, 1986. CODEN LNMAA2. ISBN 3-540-17199-1 (print), 3-540-47376-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098821/>.

Bratteli:1986:GTD

- [Bra86i] Ola Bratteli. General theory of derivations. *Lecture Notes in Mathematics*, 1229:4–33, 1986. CODEN LNMAA2. ISBN 3-540-17199-

1 (print), 3-540-47376-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098819/>.

Bratteli:1986:IHR

- [Bra86j] Ola Bratteli. Introduction with historical remarks. *Lecture Notes in Mathematics*, 1229:1–3, 1986. CODEN LNMAA2. ISBN 3-540-17199-1 (print), 3-540-47376-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098818/>.

Bratteli:1986:NV

- [Bra86k] Ola Bratteli. Noncommutative vectorfields. *Lecture Notes in Mathematics*, 1229:34–240, 1986. CODEN LNMAA2. ISBN 3-540-17199-1 (print), 3-540-47376-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098820/>.

Braam:1987:QFT

- [Bra87] Peter Braam. Quantum field theory: the bridge between mathematics and the physical world. *Lecture Notes in Mathematics*, 1263:1–12, 1987. CODEN LNMAA2. ISBN 3-540-18012-5 (print), 3-540-47249-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078608/>.

Bracalova:1988:GTT

- [Bra88] M. A. Bracalova. A generalization of the Teichmüller theorem. *Lecture Notes in Mathematics*, 1351:69–77, 1988. CODEN LNMAA2. ISBN 3-540-50370-6 (print), 3-540-45992-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081243/>.

Brezzi:1985:NMF

- [Bre85] Franco Brezzi, editor. *Numerical Methods in Fluid Dynamics: Lectures given at the 3rd 1983 Session of the Centro Internazionale Matematico Estivo (C.I.M.E.) held at Como, Italy, July 7–15, 1983*, volume 1127 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15225-3 (print), 3-540-39391-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1127. URL <http://link.springer.com/book/10.1007/BFb0074528>; <http://www.springerlink.com/content/978-3-540-39391-7>.

Brenner:1986:CCF

- [Bre86a] Sheila Brenner. A combinatorial characterisation of finite Auslander–Reiten quivers. *Lecture Notes in Mathematics*, 1177: 13–49, 1986. CODEN LNMAA2. ISBN 3-540-16432-4 (print), 3-540-39776-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075256/>.

Bressoud:1986:DIE

- [Bre86b] D. M. Bressoud. Definite integral evaluation by enumeration, partial results in the MacDonalld conjectures. *Lecture Notes in Mathematics*, 1234:48–57, 1986. CODEN LNMAA2. ISBN 3-540-17207-6 (print), 3-540-47402-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072508/>.

Brezzi:1986:RRA

- [Bre86c] F. Brezzi. Recent results in the approximation of free boundaries. *Lecture Notes in Mathematics*, 1192:285–289, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076082/>.

Brennan:1987:FRD

- [Bre87] James E. Brennan. Functions with rapidly decreasing negative Fourier coefficients. *Lecture Notes in Mathematics*, 1275: 31–43, 1987. CODEN LNMAA2. ISBN 3-540-18356-6 (print), 3-540-47899-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078343/>.

Brezinski:1988:EEP

- [Bre88] Claude Brezinski. Error estimate in Padé approximation. *Lecture Notes in Mathematics*, 1329:1–19, 1988. CODEN LNMAA2. ISBN 3-540-19489-4 (print), 3-540-39295-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083350/>.

Bressoud:1989:LPR

- [Bre89a] David M. Bressoud. Lattice paths and the Rogers–Ramanujan identities. *Lecture Notes in Mathematics*, 1395:140–172, 1989. CODEN LNMAA2. ISBN 3-540-51595-X (print), 3-540-46681-9

(e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086403/>.

Brezis:1989:VMS

- [Bré89b] Haïm Brézis. S^k -valued maps with singularities. *Lecture Notes in Mathematics*, 1365:1–30, 1989. CODEN LNMAA2. ISBN 3-540-50727-2 (print), 3-540-46075-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089176/>.

Brinkhuis:1985:NIB

- [Bri85a] Jan Brinkhuis. Normal integral bases and embeddings of fields. *Lecture Notes in Mathematics*, 1142:5–17, 1985. CODEN LNMAA2. ISBN 3-540-15674-7 (print), 3-540-39601-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074790/>.

Britton:1985:TWF

- [Bri85b] N. F. Britton. Travelling wave front solutions of a differential-difference equation arising in the modelling of myelinated nerve axon. *Lecture Notes in Mathematics*, 1151:77–89, 1985. CODEN LNMAA2. ISBN 3-540-15694-1 (print), 3-540-39640-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074717/>.

Brilla:1986:SAN

- [Bri86] I. Brilla. Spectral analysis of non-self-adjoint elliptic operators. *Lecture Notes in Mathematics*, 1192:197–202, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076069/>.

Brion:1987:IAM

- [Bri87] Michel Brion. Sur l'image de l'application moment. (French) []. *Lecture Notes in Mathematics*, 1296:177–192, 1987. CODEN LNMAA2. ISBN 3-540-18690-5 (print), 3-540-48081-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078526/>.

Brown:1985:OSN

- [Bro85] Kenneth A. Brown. Ore sets in Noetherian rings. *Lecture Notes in Mathematics*, 1146:355–366, 1985. CODEN LNMAA2. ISBN

3-540-15686-0 (print), 3-540-39628-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074547/>.

Brooks:1986:CPS

- [Bro86] Robert Brooks. Combinatorial problems in spectral geometry. *Lecture Notes in Mathematics*, 1201:14–32, 1986. CODEN LNMAA2. ISBN 3-540-16770-6 (print), 3-540-38827-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075645/>.

Brownawell:1987:LTDa

- [Bro87] W. Dale Brownawell. Large transcendence degree revisited. *Lecture Notes in Mathematics*, 1290:149–173, 1987. CODEN LNMAA2. ISBN 3-540-18597-6 (print), 3-540-48023-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078707/>.

Brownawell:1989:ACC

- [Bro89] W. Dale Brownawell. Applications of Cayley–Chow forms. *Lecture Notes in Mathematics*, 1380:1–18, 1989. CODEN LNMAA2. ISBN 3-540-51397-3 (print), 3-540-46205-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086542/>.

Bruning:1985:SAS

- [Brü85] Jochen Brüning. Spectral analysis of singular Sturm–Liouville problems with operator coefficients. *Lecture Notes in Mathematics*, 1121:55–68, 1985. CODEN LNMAA2. ISBN 3-540-15219-9 (print), 3-540-39377-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076262/>.

Bruner:1986:ASS

- [Bru86a] Robert R. Bruner. The Adams spectral sequence of H_∞ ring spectra. *Lecture Notes in Mathematics*, 1176:169–214, 1986. CODEN LNMAA2. ISBN 3-540-16434-0 (print), 3-540-39778-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075411/>.

Bruner:1986:HGR

- [Bru86b] Robert R. Bruner. The homotopy groups of H_∞ ring spectra. *Lecture Notes in Mathematics*, 1176:129–168, 1986. CODEN LN-

MAA2. ISBN 3-540-16434-0 (print), 3-540-39778-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075410/>.

Bruner:1986:HTR

- [Bru86c] Robert R. Bruner. The homotopy theory of H_∞ ring spectra. *Lecture Notes in Mathematics*, 1176:88–128, 1986. CODEN LNMAA2. ISBN 3-540-16434-0 (print), 3-540-39778-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075409/>.

Bruna:1987:BAC

- [Bru87a] Joaquim Bruna. Boundary absolute continuity of functions in the ball algebra. *Lecture Notes in Mathematics*, 1276:55–59, 1987. CODEN LNMAA2. ISBN 3-540-18357-4 (print), 3-540-47904-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078954/>.

Bruning:1987:CCR

- [Brü87b] E. Brüning. A constructive characterization of Radon probability measures on infinite dimensional spaces. *Lecture Notes in Mathematics*, 1250:14–30, 1987. CODEN LNMAA2. ISBN 3-540-17797-3 (print), 3-540-47835-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077345/>.

Bruning:1987:ITR

- [Brü87c] J. Brüning. Index theory for regular singular operators and applications. *Lecture Notes in Mathematics*, 1256:36–54, 1987. CODEN LNMAA2. ISBN 3-540-17856-2 (print), 3-540-47886-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077737/>.

Bruzzo:1987:LGT

- [Bru87d] Ugo Bruzzo. Lagrangian gauge theories on supermanifolds. *Lecture Notes in Mathematics*, 1251:91–113, 1987. CODEN LNMAA2. ISBN 3-540-17816-3 (print), 3-540-47854-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077317/>.

Brungs:1988:CRV

- [Bru88] H.-H. Brungs. Chain rings and valuations. *Lecture Notes in Mathematics*, 1328:33–37, 1988. CODEN LNMAA2. ISBN 3-540-19474-

6 (print), 3-540-39278-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100912/>.

Bruna:1989:SMF

- [Bru89] Joaquim Bruna. On the size the maximal function and the Hilbert transform. *Lecture Notes in Mathematics*, 1384:124–131, 1989. CODEN LNMAA2. ISBN 3-540-51460-0 (print), 3-540-48134-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086797/>.

Bryant:1985:MHS

- [Bry85] Robert L. Bryant. Metrics with holonomy G_2 or spin (7). *Lecture Notes in Mathematics*, 1111:269–277, 1985. CODEN LNMAA2. ISBN 3-540-15195-8 (print), 3-540-39298-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084595/>.

Bryant:1987:MLS

- [Bry87a] Robert L. Bryant. Minimal Lagrangian submanifolds of Kähler–Einstein manifolds. *Lecture Notes in Mathematics*, 1255:1–12, 1987. CODEN LNMAA2. ISBN 3-540-17849-X (print), 3-540-47883-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077676/>.

Brylinski:1987:SEH

- [Bry87b] Jean-Luc Brylinski. Some examples of Hochschild and cyclic homology. *Lecture Notes in Mathematics*, 1271:33–72, 1987. CODEN LNMAA2. ISBN 3-540-18234-9 (print), 3-540-47834-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079232/>.

Bryant:1989:RSV

- [Bry89a] Peter Bryant. Representing the super Virasoro algebra by meromorphic vectorfields on the graded Riemann sphere. *Lecture Notes in Mathematics*, 1410:71–76, 1989. CODEN LNMAA2. ISBN 3-540-51885-1 (print), 3-540-46858-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086412/>.

Brylinski:1989:SCM

- [Bry89b] Raneë Kathryn Brylinski. Stable calculus of the mixed tensor character I. *Lecture Notes in Mathematics*, 1404:35–94, 1989. CODEN LNMAA2. ISBN 3-540-51812-6 (print), 3-540-46814-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084071/>.

Brzezinski:1985:BSS

- [Brz85] J. Brzezinski. Brauer–Severi schemes of orders. *Lecture Notes in Mathematics*, 1142:18–49, 1985. CODEN LNMAA2. ISBN 3-540-15674-7 (print), 3-540-39601-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074791/>.

Bastero:1986:PBS

- [BS86] Jesús Bastero and Miguel San Miguel, editors. *Probability and Banach Spaces: Proceedings of a Conference held in Zaragoza, Spain June 17–21, 1985*, volume 1221 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 0-387-17186-X (paperback), 3-540-17186-X (paperback), 3-540-47344-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1221. URL [http://link.springer.com/book/10.1007/BFb0099107](http://link.springer.com/book/10.1007/BFb0099107;); <http://www.springerlink.com/content/978-3-540-47344-2>.

Baldwin:1987:ELW

- [BS87a] John T. Baldwin and Charles Steinhorn. Exercises on local weight. *Lecture Notes in Mathematics*, 1292:127–131, 1987. CODEN LNMAA2. ISBN 3-540-18674-3 (print), 3-540-48049-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082235/>.

Beals:1987:HEG

- [BS87b] Richard Beals and Nancy K. Stanton. The heat equation and geometry for the $\bar{\partial}$ -Neumann problem. *Lecture Notes in Mathematics*, 1276:25–32, 1987. CODEN LNMAA2. ISBN 3-540-18357-4 (print), 3-540-47904-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078951/>.

Berenstein:1987:RCS

- [BS87c] Carlos A. Berenstein and Daniele C. Struppa. A remark on “Convolutors in spaces of holomorphic functions”. *Lecture Notes in Mathematics*, 1276:276–280, 1987. CODEN LNMAA2. ISBN 3-540-18357-4 (print), 3-540-47904-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078963/>. See [MS87a].

Bokowski:1989:ACG

- [BS89a] Jürgen Bokowski and Bernd Sturmfels. Algebraic criteria for geometric realizability. *Lecture Notes in Mathematics*, 1355:61–86, 1989. CODEN LNMAA2. ISBN 3-540-50478-8 (print), 3-540-46013-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089257/>.

Bokowski:1989:CAM

- [BS89b] Jürgen Bokowski and Bernd Sturmfels. Combinatorial and algebraic methods. *Lecture Notes in Mathematics*, 1355:32–60, 1989. CODEN LNMAA2. ISBN 3-540-50478-8 (print), 3-540-46013-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089256/>.

Bokowski:1989:GM

- [BS89c] Jürgen Bokowski and Bernd Sturmfels. Geometric methods. *Lecture Notes in Mathematics*, 1355:87–101, 1989. CODEN LNMAA2. ISBN 3-540-50478-8 (print), 3-540-46013-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089258/>.

Bokowski:1989:MCA

- [BS89d] Jürgen Bokowski and Bernd Sturmfels. Matroids and chirotopes as algebraic varieties. *Lecture Notes in Mathematics*, 1355:147–157, 1989. CODEN LNMAA2. ISBN 3-540-50478-8 (print), 3-540-46013-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089262/>.

Bokowski:1989:EA

- [BS89e] Jürgen Bokowski and Bernd Sturmfels. On the existence of algorithms. *Lecture Notes in Mathematics*, 1355:18–31, 1989. CODEN LNMAA2. ISBN 3-540-50478-8 (print), 3-540-46013-6 (e-book).

ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089255/>.

Bokowski:1989:FPM

- [BS89f] Jürgen Bokowski and Bernd Sturmfels. On the finding of polyhedral manifolds. *Lecture Notes in Mathematics*, 1355:133–146, 1989. CODEN LNMAA2. ISBN 3-540-50478-8 (print), 3-540-46013-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089261/>.

Bokowski:1989:P

- [BS89g] Jürgen Bokowski and Bernd Sturmfels. Preliminaries. *Lecture Notes in Mathematics*, 1355:1–17, 1989. CODEN LNMAA2. ISBN 3-540-50478-8 (print), 3-540-46013-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089254/>.

Bokowski:1989:PM

- [BS89h] Jürgen Bokowski and Bernd Sturmfels. Preprocessing methods. *Lecture Notes in Mathematics*, 1355:115–132, 1989. CODEN LNMAA2. ISBN 3-540-50478-8 (print), 3-540-46013-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089260/>.

Bokowski:1989:RTR

- [BS89i] Jürgen Bokowski and Bernd Sturmfels. Recent topological results. *Lecture Notes in Mathematics*, 1355:102–114, 1989. CODEN LNMAA2. ISBN 3-540-50478-8 (print), 3-540-46013-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089259/>.

Brown:1989:RHT

- [BS89j] Edgar H. Brown, Jr. and Robert H. Szczarba. On real homotopy theory. *Lecture Notes in Mathematics*, 1370:103–116, 1989. CODEN LNMAA2. ISBN 3-540-51118-0 (print), 3-540-46160-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085221/>.

Baldoni-Silva:1987:IUR

- [BSK87a] M. W. Baldoni-Silva and A. W. Knapp. Irreducible unitary representations of some groups of real rank two. *Lecture Notes in Mathematics*, 1243:15–36, 1987. CODEN LNMAA2. ISBN 3-540-17701-

9 (print), 3-540-47775-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073016/>.

Baldoni-Silva:1987:VAC

- [BSK87b] M. W. Baldoni-Silva and A. W. Knapp. Vogan's algorithm for computing composition series. *Lecture Notes in Mathematics*, 1243:37–72, 1987. CODEN LNMAA2. ISBN 3-540-17701-9 (print), 3-540-47775-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073017/>.

Beauquier:1986:PFW

- [BT86a] Joffroy Beauquier and Loÿs Thimonier. Prefix-free words of length N over M letters: two-sided well-balanced parentheses and palindroms. *Lecture Notes in Mathematics*, 1234:27–33, 1986. CODEN LNMAA2. ISBN 3-540-17207-6 (print), 3-540-47402-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072506/>.

Boggs:1986:ESU

- [BT86b] Paul T. Boggs and Jon W. Tolle. An efficient strategy for utilizing a merit function in nonlinear programming algorithms. *Lecture Notes in Mathematics*, 1230:127–137, 1986. CODEN LNMAA2. ISBN 3-540-17200-9 (print), 3-540-47379-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072676/>.

Brandt:1986:MMN

- [BT86c] A. Brandt and S. Ta'asan. Multigrid method for nearly singular and slightly indefinite problems. *Lecture Notes in Mathematics*, 1228:99–121, 1986. CODEN LNMAA2. ISBN 3-540-17198-3 (print), 3-540-47372-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072643/>.

Bretscher:1986:TNR

- [BT86d] Otto Bretscher and Gordana Todorov. On a theorem of Nazarov and Roiter. *Lecture Notes in Mathematics*, 1177:50–54, 1986. CODEN LNMAA2. ISBN 3-540-16432-4 (print), 3-540-39776-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075257/>.

Bohmer:1987:SIB

- [BT87a] W. Böhmer and G. Trautmann. Special instanton bundles and Poncelet curves. *Lecture Notes in Mathematics*, 1273:325–336, 1987. CODEN LNMAA2. ISBN 3-540-18263-2 (print), 3-540-47851-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078852/>.

Bourgain:1987:CSW

- [BT87b] J. Bourgain and L. Tzafriri. Complements of subspaces of ℓ_p^n ; $p \geq 1$ which are uniquely determined. *Lecture Notes in Mathematics*, 1267:39–52, 1987. CODEN LNMAA2. ISBN 3-540-18103-2 (print), 3-540-47771-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078135/>.

Brownawell:1987:LTDb

- [BT87c] W. Dale Brownawell and Robert Tubbs. Large transcendence degree revisited. *Lecture Notes in Mathematics*, 1290:175–188, 1987. CODEN LNMAA2. ISBN 3-540-18597-6 (print), 3-540-48023-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078708/>.

Batchelor:1988:FHT

- [BT88a] Andrew Batchelor and Aubrey Truman. On first hitting times in stochastic mechanics. *Lecture Notes in Mathematics*, 1325:1–15, 1988. CODEN LNMAA2. ISBN 3-540-50015-4 (print), 3-540-45887-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077912/>.

Blazquez:1988:HBB

- [BT88b] M. Blázquez and E. Tuma. Hereroclinic bifurcation in Banach spaces. *Lecture Notes in Mathematics*, 1331:12–37, 1988. CODEN LNMAA2. ISBN 3-540-50016-2 (print), 3-540-45889-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083063/>.

Buchta:1985:ZPO

- [Buc85] Christian Buchta. Zufällige Polyeder — Eine Übersicht. (German) [Random polyhedra — a summary]. *Lecture Notes in Mathematics*, 1114:1–13, 1985. CODEN LNMAA2. ISBN 3-540-15189-3

(print), 3-540-39281-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101638/>.

Buekenhout:1986:GFS

- [Bue86] Francis Buekenhout. The geometry of the finite simple groups. *Lecture Notes in Mathematics*, 1181:1–78, 1986. CODEN LNMAA2. ISBN 3-540-16466-9 (print), 3-540-39801-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075512/>; <http://link.springer.com/content/pdf/bfm:978-3-540-39801-1/1.pdf>.

Buechler:1987:CSW

- [Bue87] Steven Buechler. The classification of small weakly minimal sets I. *Lecture Notes in Mathematics*, 1292:32–71, 1987. CODEN LNMAA2. ISBN 3-540-18674-3 (print), 3-540-48049-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082231/>.

Buium:1986:C

- [Bui86a] Alexandru Buium. Complements. *Lecture Notes in Mathematics*, 1226:121–139, 1986. CODEN LNMAA2. ISBN 3-540-17194-0 (print), 3-540-47354-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101626/>.

Buium:1986:DDT

- [Bui86b] Alexandru Buium. Differential descent theory. *Lecture Notes in Mathematics*, 1226:28–86, 1986. CODEN LNMAA2. ISBN 3-540-17194-0 (print), 3-540-47354-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101624/>.

Buium:1986:DFF

- [Bui86c] Alexandru Buium. *Differential Function Fields and Moduli of Algebraic Varieties*, volume 1226 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-17194-0 (print), 3-540-47354-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). x + 146 pp. LCCN QA3 .L28 no. 1226. URL <http://link.springer.com/book/10.1007/BFb0101622>; <http://www.springerlink.com/content/978-3-540-47354-1>.

Buium:1986:NDG

- [Bui86d] Alexandru Buium. Normality in differential Galois theory. *Lecture Notes in Mathematics*, 1226:87–120, 1986. CODEN LNMAA2. ISBN 3-540-17194-0 (print), 3-540-47354-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101625/>.

Buium:1986:P

- [Bui86e] Alexandru Buium. Preliminaries. *Lecture Notes in Mathematics*, 1226:1–27, 1986. CODEN LNMAA2. ISBN 3-540-17194-0 (print), 3-540-47354-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101623/>.

Bumby:1985:HDS

- [Bum85] Richard T. Bumby. Hausdorff dimension of sets arising in number theory. *Lecture Notes in Mathematics*, 1135:1–8, 1985. CODEN LNMAA2. ISBN 3-540-15649-6 (print), 3-540-39535-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074599/>.

Burkholder:1986:MFA

- [Bur86] Donald L. Burkholder. Martingales and Fourier analysis in Banach spaces. *Lecture Notes in Mathematics*, 1206:61–108, 1986. CODEN LNMAA2. ISBN 3-540-16787-0 (print), 3-540-40955-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076300/>.

Burstall:1987:TMH

- [Bur87] Francis E. Burstall. Twistor methods for harmonic maps. *Lecture Notes in Mathematics*, 1263:55–96, 1987. CODEN LNMAA2. ISBN 3-540-18012-5 (print), 3-540-47249-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078610/>.

Burkholder:1989:DSH

- [Bur89] Donald L. Burkholder. Differential subordination of harmonic functions and martingales. *Lecture Notes in Mathematics*, 1384:1–23, 1989. CODEN LNMAA2. ISBN 3-540-51460-0 (print), 3-540-48134-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086792/>.

Buser:1988:CGP

- [Bus88a] Peter Buser. Cayley graphs and planar isospectral domains. *Lecture Notes in Mathematics*, 1339:64–77, 1988. CODEN LNMAA2. ISBN 3-540-50113-4 (print), 3-540-45930-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083047/>.

Busque:1988:DFC

- [Bus88b] Claudi Busqué. Directly finite \aleph_0 -complete regular rings are unit-regular. *Lecture Notes in Mathematics*, 1328:38–49, 1988. CODEN LNMAA2. ISBN 3-540-19474-6 (print), 3-540-39278-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100913/>.

Buttazzo:1988:RPC

- [But88] Giuseppe Buttazzo. Relaxation problems in control theory. *Lecture Notes in Mathematics*, 1340:31–39, 1988. CODEN LNMAA2. ISBN 3-540-50119-3 (print), 3-540-45932-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082883/>.

Buzasi:1988:RIG

- [Buz88] K. Buzási. On representations of infinite groups. *Lecture Notes in Mathematics*, 1352:44–59, 1988. CODEN LNMAA2. ISBN 3-540-50371-4 (print), 3-540-45994-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082016/>.

Bruns:1988:ASL

- [BV88a] Winfried Bruns and Udo Vetter. Algebras with straightening law on posets of minors. *Lecture Notes in Mathematics*, 1327:38–49, 1988. CODEN LNMAA2. ISBN 3-540-19468-1 (print), 3-540-39274-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080382/>.

Bruns:1988:A

- [BV88b] Winfried Bruns and Udo Vetter. Appendix. *Lecture Notes in Mathematics*, 1327:202–218, 1988. CODEN LNMAA2. ISBN 3-540-19468-1 (print), 3-540-39274-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080394/>.

Bruns:1988:DR

- [BV88c] Winfried Bruns and Udo Vetter. Derivations and rigidity. *Lecture Notes in Mathematics*, 1327:184–201, 1988. CODEN LNMAA2. ISBN 3-540-19468-1 (print), 3-540-39274-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080393/>.

Bruns:1988:DCG

- [BV88d] Winfried Bruns and Udo Vetter. The divisor class group and the canonical class. *Lecture Notes in Mathematics*, 1327:93–104, 1988. CODEN LNMAA2. ISBN 3-540-19468-1 (print), 3-540-39274-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080386/>.

Bruns:1988:GM

- [BV88e] Winfried Bruns and Udo Vetter. Generic modules. *Lecture Notes in Mathematics*, 1327:162–173, 1988. CODEN LNMAA2. ISBN 3-540-19468-1 (print), 3-540-39274-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080391/>.

Bruns:1988:GPIb

- [BV88f] Winfried Bruns and Udo Vetter. Generic points and invariant theory. *Lecture Notes in Mathematics*, 1327:73–92, 1988. CODEN LNMAA2. ISBN 3-540-19468-1 (print), 3-540-39274-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080385/>.

Bruns:1988:GPIa

- [BV88g] Winfried Bruns and Udo Vetter. Generically perfect ideals. *Lecture Notes in Mathematics*, 1327:27–37, 1988. CODEN LNMAA2. ISBN 3-540-19468-1 (print), 3-540-39274-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080381/>.

Bruns:1988:IMM

- [BV88h] Winfried Bruns and Udo Vetter. Ideals of maximal minors. *Lecture Notes in Mathematics*, 1327:10–26, 1988. CODEN LNMAA2. ISBN 3-540-19468-1 (print), 3-540-39274-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080380/>.

Bruns:1988:INS

- [BV88i] Winfried Bruns and Udo Vetter. Integrity and normality. The singular locus. *Lecture Notes in Mathematics*, 1327:64–72, 1988. CODEN LNMAA2. ISBN 3-540-19468-1 (print), 3-540-39274-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080384/>.

Bruns:1988:MKD

- [BV88j] Winfried Bruns and Udo Vetter. The module of Kähler differentials. *Lecture Notes in Mathematics*, 1327:174–183, 1988. CODEN LNMAA2. ISBN 3-540-19468-1 (print), 3-540-39274-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080392/>.

Bruns:1988:PIM

- [BV88k] Winfried Bruns and Udo Vetter. Powers of ideals of maximal minors. *Lecture Notes in Mathematics*, 1327:105–121, 1988. CODEN LNMAA2. ISBN 3-540-19468-1 (print), 3-540-39274-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080387/>.

Bruns:1988:P

- [BV88l] Winfried Bruns and Udo Vetter. Preliminaries. *Lecture Notes in Mathematics*, 1327:1–9, 1988. CODEN LNMAA2. ISBN 3-540-19468-1 (print), 3-540-39274-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080379/>.

Bruns:1988:PD

- [BV88m] Winfried Bruns and Udo Vetter. Primary decomposition. *Lecture Notes in Mathematics*, 1327:122–134, 1988. CODEN LNMAA2. ISBN 3-540-19468-1 (print), 3-540-39274-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080388/>.

Bruns:1988:PRS

- [BV88n] Winfried Bruns and Udo Vetter. Principal radical systems. *Lecture Notes in Mathematics*, 1327:153–161, 1988. CODEN LNMAA2. ISBN 3-540-19468-1 (print), 3-540-39274-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080390/>.

Bruns:1988:RT

- [BV88o] Winfried Bruns and Udo Vetter. Representation theory. *Lecture Notes in Mathematics*, 1327:135–152, 1988. CODEN LNMAA2. ISBN 3-540-19468-1 (print), 3-540-39274-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080389/>.

Bruns:1988:SA

- [BV88p] Winfried Bruns and Udo Vetter. The structure of an ASL. *Lecture Notes in Mathematics*, 1327:50–63, 1988. CODEN LNMAA2. ISBN 3-540-19468-1 (print), 3-540-39274-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080383/>.

Bueken:1989:ACM

- [BV89] P. Bueken and L. Vanhecke. Algebraic characterizations by means of the curvature in contact geometry. *Lecture Notes in Mathematics*, 1410:77–86, 1989. CODEN LNMAA2. ISBN 3-540-51885-1 (print), 3-540-46858-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086413/>.

Barnett:1985:DMD

- [BW85a] C. Barnett and I. F. Wilde. The Doob–Meyer decomposition for the square of Itô–Clifford L^2 -martingales. *Lecture Notes in Mathematics*, 1136:67–73, 1985. CODEN LNMAA2. ISBN 3-540-15661-5 (print), 3-540-39570-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074460/>.

Beagles:1985:TRE

- [BW85b] A. E. Beagles and J. R. Whiteman. Treatment of a re-entrant vertex in a three-dimensional Poisson problem. *Lecture Notes in Mathematics*, 1121:19–27, 1985. CODEN LNMAA2. ISBN 3-540-15219-9 (print), 3-540-39377-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076259/>.

Birman:1985:FBC

- [BW85c] Joan S. Birman and Bronisław Wajnryb. 3-fold branched coverings and the mapping class group of a surface. *Lecture Notes in Mathematics*, 1167:24–46, 1985. CODEN LNMAA2. ISBN 3-540-16053-

1 (print), 3-540-39738-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075214/>.

Billeke:1988:BCO

- [BW88] J. Billeke and M. Wallace. Bifurcations of codimension one singularities of tangent vector fields on Whitney's umbrella. *Lecture Notes in Mathematics*, 1331:1–11, 1988. CODEN LNMAA2. ISBN 3-540-50016-2 (print), 3-540-45889-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083062/>.

Bolton:1985:ISS

- [BWW85] J. Bolton, T. J. Willmore, and L. M. Woodward. Immersions of surfaces into space forms. *Lecture Notes in Mathematics*, 1156:46–58, 1985. CODEN LNMAA2. ISBN 3-540-15994-0 (print), 3-540-39698-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075085/>.

Barros:1986:FTS

- [ByC86] Manuel Barros and Bang yen Chen. Finite type spherical submanifolds. *Lecture Notes in Mathematics*, 1209:73–93, 1986. CODEN LNMAA2. ISBN 3-540-16801-X (print), 3-540-44844-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076621/>.

Caenepeel:1986:GVA

- [Cae86] S. Caenepeel. A graded version of Artin's refinement theorem. *Lecture Notes in Mathematics*, 1197:31–44, 1986. CODEN LNMAA2. ISBN 3-540-16496-0 (print), 3-540-39833-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076310/>.

Caenepeel:1988:CTP

- [Cae88] S. Caenepeel. Cancellation theorems for projective graded modules. *Lecture Notes in Mathematics*, 1328:50–59, 1988. CODEN LNMAA2. ISBN 3-540-19474-6 (print), 3-540-39278-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100914/>.

Caffarelli:1989:FBP

- [Caf89] Luis A. Caffarelli. Free boundary problems a survey. *Lecture Notes in Mathematics*, 1365:31–61, 1989. CODEN LNMAA2. ISBN 3-540-50727-2 (print), 3-540-46075-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089177/>.

Caicedo:1985:FIQ

- [Cai85] Xavier Caicedo. Failure of interpolation for quantifiers of monadic type. *Lecture Notes in Mathematics*, 1130:1–12, 1985. CODEN LNMAA2. ISBN 3-540-15236-9 (print), 3-540-39414-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075304/>.

Cambini:1986:NLS

- [Cam86] A. Cambini. Non-linear separation theorems, duality and optimality conditions. *Lecture Notes in Mathematics*, 1190:57–93, 1986. CODEN LNMAA2. ISBN 3-540-16476-6 (print), 3-540-39817-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076702/>.

Camacho:1988:QHV

- [Cam88] M. I. Camacho. Quasi-homogeneous vector fields of degree 2 in \mathbf{R}^3 . *Lecture Notes in Mathematics*, 1331:38–46, 1988. CODEN LNMAA2. ISBN 3-540-50016-2 (print), 3-540-45889-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083064/>.

Cantrell:1985:LFE

- [Can85] J. C. Cantrell. Locally flat embeddings of three dimensional manifolds in four dimensional manifolds. *Lecture Notes in Mathematics*, 1167:47–49, 1985. CODEN LNMAA2. ISBN 3-540-16053-1 (print), 3-540-39738-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075215/>.

Cano:1988:DSF

- [Can88] F. Cano. Dcriticalness of a singular foliation. *Lecture Notes in Mathematics*, 1345:73–94, 1988. CODEN LNMAA2. ISBN 3-540-50226-2 (print), 3-540-45957-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081396/>.

Cardassi:1985:NRA

- [Car85a] Carmen Silvia Cardassi. Numerical radius attaining operators. *Lecture Notes in Mathematics*, 1166:11–14, 1985. CODEN LNMAA2. ISBN 3-540-16051-5 (print), 3-540-39736-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074687/>.

Carlson:1985:VM

- [Car85b] Jon F. Carlson. The variety of a module. *Lecture Notes in Mathematics*, 1142:88–95, 1985. CODEN LNMAA2. ISBN 3-540-15674-7 (print), 3-540-39601-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074793/>.

Carpenter:1985:NPI

- [Car85c] Gail A. Carpenter. The non-parametric influence of light on mammalian circadian rhythms. *Lecture Notes in Mathematics*, 1151:90–108, 1985. CODEN LNMAA2. ISBN 3-540-15694-1 (print), 3-540-39640-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074718/>.

Carlen:1986:ESP

- [Car86a] Eric A. Carlen. Existence and sample path properties of the diffusions in Nelson’s stochastic mechanics. *Lecture Notes in Mathematics*, 1158:25–51, 1986. CODEN LNMAA2. ISBN 3-540-15998-3 (print), 3-540-39703-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080208/>.

Carlsson:1986:FAP

- [Car86b] Gunnar Carlsson. Free $(\mathbf{Z}/2)^k$ -actions and a problem in commutative algebra. *Lecture Notes in Mathematics*, 1217:79–83, 1986. CODEN LNMAA2. ISBN 3-540-16824-9 (print), 3-540-47097-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072815/>.

Carmona:1986:RSO

- [Car86c] René Carmona. Random Schrödinger operators. *Lecture Notes in Mathematics*, 1180:1–124, 1986. CODEN LNMAA2. ISBN 3-540-16441-3 (print), 3-540-39781-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074918/>.

Carnal:1986:VAL

- [Car86d] H. Carnal. Les variables aléatoires de loi stable et leur représentation selon P. Levy. (French) []. *Lecture Notes in Mathematics*, 1210:24–33, 1986. CODEN LNMAA2. ISBN 3-540-16806-0 (print), 3-540-44852-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077169/>.

Carroll:1986:STM

- [Car86e] Robert Carroll. Some transmutation methods for canonical systems. *Lecture Notes in Mathematics*, 1223:25–36, 1986. CODEN LNMAA2. ISBN 3-540-17191-6 (print), 3-540-47350-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099180/>.

Carverhill:1986:SLE

- [Car86f] A. Carverhill. Survey: Lyapunov exponents for stochastic flows on manifolds. *Lecture Notes in Mathematics*, 1186:292–307, 1986. CODEN LNMAA2. ISBN 3-540-16458-8 (print), 3-540-39795-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076849/>.

Carlen:1988:SMF

- [Car88a] Eric A. Carlen. Stochastic mechanics of free scalar fields. *Lecture Notes in Mathematics*, 1325:40–60, 1988. CODEN LNMAA2. ISBN 3-540-50015-4 (print), 3-540-45887-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077915/>.

Carter:1988:SEI

- [Car88b] J. Scott Carter. Surgering the equatorial immersion in low dimensions. *Lecture Notes in Mathematics*, 1350:144–166, 1988. CODEN LNMAA2. ISBN 3-540-50369-2 (print), 3-540-45990-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081473/>.

Carbonne:1989:GCD

- [Car89a] P. Carbonne. Groupe des classes de diviseurs des algèbres graduées normales. (French) []. *Lecture Notes in Mathematics*, 1404:174–200, 1989. CODEN LNMAA2. ISBN 3-540-51812-6 (print), 3-540-46814-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084076/>.

Carroll:1989:SRF

- [Car89b] Robert Carroll. Some remarks on forced integrable systems. *Lecture Notes in Mathematics*, 1394:11–17, 1989. CODEN LNMAA2. ISBN 3-540-51594-1 (print), 3-540-46679-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086748/>.

Carter:1989:CTC

- [Car89c] Brandon Carter. Covariant theory of conductivity in ideal fluid or solid media. *Lecture Notes in Mathematics*, 1385:1–64, 1989. CODEN LNMAA2. ISBN 3-540-51466-X (print), 3-540-48142-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084028/>.

Casati:1985:ELD

- [Cas85a] Giulio Casati. Energy level distributions and chaos in quantum mechanics. *Lecture Notes in Mathematics*, 1139:86–107, 1985. CODEN LNMAA2. ISBN 3-540-15666-6 (print), 3-540-39585-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074578/>.

Casati:1985:LCM

- [Cas85b] Giulio Casati. Limitations for chaotic motion in quantum mechanics. *Lecture Notes in Mathematics*, 1136:126–135, 1985. CODEN LNMAA2. ISBN 3-540-15661-5 (print), 3-540-39570-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074466/>.

Cash:1986:BER

- [Cas86] J. R. Cash. A block 5(4) explicit Runge–Kutta formula with ‘free’ interpolation. *Lecture Notes in Mathematics*, 1230:208–220, 1986. CODEN LNMAA2. ISBN 3-540-17200-9 (print), 3-540-47379-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072683/>.

Catanese:1985:GIS

- [Cat85a] Frabrizio Catanese. Generic invertible sheaves of 2-torsion and generic invertible thetacharacteristics on nodal plane curves. *Lecture Notes in Mathematics*, 1124:58–70, 1985. CODEN LNMAA2. ISBN 3-540-15232-6 (print), 3-540-39643-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074995/>.

Cathala:1985:BBC

- [Cat85b] J.-C. Cathala. On the bifurcation between a chaotic area of T^K and a chaotic area of T . *Lecture Notes in Mathematics*, 1163: 14–22, 1985. CODEN LNMAA2. ISBN 3-540-16067-1 (print), 3-540-39749-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076413/>.

Catanese:1988:MAS

- [Cat88] F. Catanese. Moduli of algebraic surfaces. *Lecture Notes in Mathematics*, 1337:1–83, 1988. CODEN LNMAA2. ISBN 3-540-50080-4 (print), 3-540-45920-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082806/>.

Cauchon:1986:CMT

- [Cau86a] Gérard Cauchon. Commutants des modules de type Dini sur les algèbres noetheriennes. (French) []. *Lecture Notes in Mathematics*, 1220:109–117, 1986. CODEN LNMAA2. ISBN 3-540-17185-1 (print), 3-540-47255-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099508/>.

Cauchon:1986:ESC

- [Cau86b] Gérard Cauchon. Exemples de sous-corps commutatifs maximaux dans $D_2(k)$. (French) []. *Lecture Notes in Mathematics*, 1197:45–50, 1986. CODEN LNMAA2. ISBN 3-540-16496-0 (print), 3-540-39833-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076311/>.

Cauchon:1988:CAP

- [Cau88] G. Cauchon. Centraliseurs dans les anneaux de polynômes différentiels formels et leurs corps de fractions. (French) []. *Lecture Notes in Mathematics*, 1328:60–68, 1988. CODEN LNMAA2. ISBN 3-540-19474-6 (print), 3-540-39278-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100915/>.

Cavazzuti:1986:CET

- [Cav86] E. Cavazzuti. Convergence of equilibria in the theory of games. *Lecture Notes in Mathematics*, 1190:95–130, 1986. CODEN LNMAA2. ISBN 3-540-16476-6 (print), 3-540-39817-1 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076703/>.

Casas-Alvero:1985:AGS

- [CAWXD85] Eduard Casas-Alvero, Gerald Welters, and Sebastian Xambó-Descamps, editors. *Algebraic Geometry Sitges (Barcelona) 1983: Proceedings of a Conference held in Sitges (Barcelona), Spain October 5–12, 1983*, volume 1124 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15232-6 (print), 3-540-39643-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1124. URL <http://link.springer.com/book/10.1007/BFb0074992>; <http://www.springerlink.com/content/978-3-540-39643-7>.

Casas-Alvero:1986:APG

- [CAXD86a] Eduardo Casas-Alvero and Sebastian Xambó-Descamps. Action of the projective group and proper solutions of an enumerative problem. *Lecture Notes in Mathematics*, 1196:18–22, 1986. CODEN LNMAA2. ISBN 3-540-16495-2 (print), 3-540-39832-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076507/>.

Casas-Alvero:1986:CC

- [CAXD86b] Eduardo Casas-Alvero and Sebastian Xambó-Descamps. Complete conics. *Lecture Notes in Mathematics*, 1196:3–8, 1986. CODEN LNMAA2. ISBN 3-540-16495-2 (print), 3-540-39832-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076503/>.

Casas-Alvero:1986:CCN

- [CAXD86c] Eduardo Casas-Alvero and Sebastian Xambó-Descamps. Computation of characteristic numbers. *Lecture Notes in Mathematics*, 1196:31–35, 1986. CODEN LNMAA2. ISBN 3-540-16495-2 (print), 3-540-39832-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076511/>.

Casas-Alvero:1986:CIC

- [CAXD86d] Eduardo Casas-Alvero and Sebastian Xambó-Descamps. Conditions imposed on conics. *Lecture Notes in Mathematics*, 1196:14–18, 1986. CODEN LNMAA2. ISBN 3-540-16495-2 (print), 3-540-39832-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (elec-

tronic). URL <http://link.springer.com/chapter/10.1007/BFb0076506/>.

Casas-Alvero:1986:Ca

- [CAXD86e] Eduardo Casas-Alvero and Sebastian Xambó-Descamps. Conics. *Lecture Notes in Mathematics*, 1196:1–2, 1986. CODEN LNMAA2. ISBN 3-540-16495-2 (print), 3-540-39832-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076502/>.

Casas-Alvero:1986:CSF

- [CAXD86f] Eduardo Casas-Alvero and Sebastian Xambó-Descamps. Conics satisfying five independent conditions. *Lecture Notes in Mathematics*, 1196:48–56, 1986. CODEN LNMAA2. ISBN 3-540-16495-2 (print), 3-540-39832-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076515/>.

Casas-Alvero:1986:Cb

- [CAXD86g] Eduardo Casas-Alvero and Sebastian Xambó-Descamps. Cycles on W and on B . *Lecture Notes in Mathematics*, 1196:56–61, 1986. CODEN LNMAA2. ISBN 3-540-16495-2 (print), 3-540-39832-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076516/>.

Casas-Alvero:1986:ETC

- [CAXD86h] Eduardo Casas-Alvero and Sebastian Xambó-Descamps. *The Enumerative Theory of Conics after Halphen*, volume 1196 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16495-2 (print), 3-540-39832-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). x + 129 pp. LCCN QA3 .L28 no. 1196. URL [http://link.springer.com/book/10.1007/BFb0076501](http://link.springer.com/book/10.1007/BFb0076501;); <http://www.springerlink.com/content/978-3-540-39832-5>.

Casas-Alvero:1986:EDH

- [CAXD86i] Eduardo Casas-Alvero and Sebastian Xambó-Descamps. Equations of the degeneration hypersurfaces. *Lecture Notes in Mathematics*, 1196:11–14, 1986. CODEN LNMAA2. ISBN 3-540-16495-2 (print), 3-540-39832-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076505/>.

Casas-Alvero:1986:E

- [CAXD86j] Eduardo Casas-Alvero and Sebastian Xambó-Descamps. Examples. *Lecture Notes in Mathematics*, 1196:35–41, 1986. CODEN LNMAA2. ISBN 3-540-16495-2 (print), 3-540-39832-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076512/>.

Casas-Alvero:1986:EHO

- [CAXD86k] Eduardo Casas-Alvero and Sebastian Xambó-Descamps. Examples of higher order conditions. *Lecture Notes in Mathematics*, 1196:80–91, 1986. CODEN LNMAA2. ISBN 3-540-16495-2 (print), 3-540-39832-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076520/>.

Casas-Alvero:1986:GHF

- [CAXD86l] Eduardo Casas-Alvero and Sebastian Xambó-Descamps. Generalization of Halphen’s formula to conditions of higher order. *Lecture Notes in Mathematics*, 1196:74–80, 1986. CODEN LNMAA2. ISBN 3-540-16495-2 (print), 3-540-39832-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076519/>.

Casas-Alvero:1986:GDC

- [CAXD86m] Eduardo Casas-Alvero and Sebastian Xambó-Descamps. Genericity of the data of conditions. *Lecture Notes in Mathematics*, 1196:22–23, 1986. CODEN LNMAA2. ISBN 3-540-16495-2 (print), 3-540-39832-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076508>.

Casas-Alvero:1986:HFF

- [CAXD86n] Eduardo Casas-Alvero and Sebastian Xambó-Descamps. Halphen’s first formula. *Lecture Notes in Mathematics*, 1196:25–30, 1986. CODEN LNMAA2. ISBN 3-540-16495-2 (print), 3-540-39832-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076510/>.

Casas-Alvero:1986:IIN

- [CAXD86o] Eduardo Casas-Alvero and Sebastian Xambó-Descamps. Improper intersection numbers. *Lecture Notes in Mathematics*, 1196:67–73, 1986. CODEN LNMAA2. ISBN 3-540-16495-2 (print), 3-

540-39832-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076518/>.

Casas-Alvero:1986:LCC

- [CAXD86p] Eduardo Casas-Alvero and Sebastian Xambó-Descamps. Local characters of a condition. *Lecture Notes in Mathematics*, 1196: 23–24, 1986. CODEN LNMAA2. ISBN 3-540-16495-2 (print), 3-540-39832-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076509>.

Casas-Alvero:1986:MCN

- [CAXD86q] Eduardo Casas-Alvero and Sebastian Xambó-Descamps. Multiplicity cycles and Noether's formula. *Lecture Notes in Mathematics*, 1196:61–67, 1986. CODEN LNMAA2. ISBN 3-540-16495-2 (print), 3-540-39832-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076517/>.

Casas-Alvero:1986:SECa

- [CAXD86r] Eduardo Casas-Alvero and Sebastian Xambó-Descamps. Strict equivalence of conditions. *Lecture Notes in Mathematics*, 1196: 41–45, 1986. CODEN LNMAA2. ISBN 3-540-16495-2 (print), 3-540-39832-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076513/>.

Casas-Alvero:1986:SECb

- [CAXD86s] Eduardo Casas-Alvero and Sebastian Xambó-Descamps. Strict equivalence of conditions. *Lecture Notes in Mathematics*, 1196: 92–99, 1986. CODEN LNMAA2. ISBN 3-540-16495-2 (print), 3-540-39832-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076521/>.

Casas-Alvero:1986:SC

- [CAXD86t] Eduardo Casas-Alvero and Sebastian Xambó-Descamps. Systems of conics. *Lecture Notes in Mathematics*, 1196:8–11, 1986. CODEN LNMAA2. ISBN 3-540-16495-2 (print), 3-540-39832-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076504/>.

Casas-Alvero:1986:SCC

- [CAXD86u] Eduardo Casas-Alvero and Sebastian Xambó-Descamps. Systems of conics contained in $S_{p,q}$. *Lecture Notes in Mathematics*, 1196: 45–47, 1986. CODEN LNMAA2. ISBN 3-540-16495-2 (print), 3-540-39832-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076514/>.

Cazacu:1988:CKC

- [Caz88] Cabiria Andreian Cazacu. Complete Klein coverings of Klein surfaces of characteristic 0. I. *Lecture Notes in Mathematics*, 1351: 12–22, 1988. CODEN LNMAA2. ISBN 3-540-50370-6 (print), 3-540-45992-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081238/>.

Chuaqui:1985:ATT

- [CB85] Rolando Chuaqui and Leopoldo Bertossi. Approximation to truth and theory of errors. *Lecture Notes in Mathematics*, 1130:13–31, 1985. CODEN LNMAA2. ISBN 3-540-15236-9 (print), 3-540-39414-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075305/>.

Choquet-Bruhat:1987:MCS

- [CB87] Yvonne Choquet-Bruhat. Mathematics for classical supergravities. *Lecture Notes in Mathematics*, 1251:73–90, 1987. CODEN LNMAA2. ISBN 3-540-17816-3 (print), 3-540-47854-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077316/>.

Curras-Bosch:1989:COF

- [CB89] Carlos Currás-Bosch. On codimension-one foliations. *Lecture Notes in Mathematics*, 1410:100–107, 1989. CODEN LNMAA2. ISBN 3-540-51885-1 (print), 3-540-46858-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086416/>.

Combes:1987:SPS

- [CBD87] J.-M. Combes, Ph. Briet, and P. Duclos. Spectral properties of Schrödinger operators with trapping potentials in the semi-classical limit. *Lecture Notes in Mathematics*, 1285:55–72, 1987.

CODEN LNMAA2. ISBN 3-540-18479-1 (print), 3-540-47983-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080581/>.

Chudnovsky:1985:APAA

- [CC85a] D. V. Chudnovsky and G. V. Chudnovsky. Applications of Padé approximations to Diophantine inequalities in values of G -functions. *Lecture Notes in Mathematics*, 1135:9–51, 1985. CODEN LNMAA2. ISBN 3-540-15649-6 (print), 3-540-39535-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074600/>.

Chudnovsky:1985:APAb

- [CC85b] D. V. Chudnovsky and G. V. Chudnovsky. Applications of Padé approximations to the Grothendieck conjecture on linear differential equations. *Lecture Notes in Mathematics*, 1135:52–100, 1985. CODEN LNMAA2. ISBN 3-540-15649-6 (print), 3-540-39535-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074601/>.

Chan:1987:UBG

- [CC87a] Whei-Ching C. Chan and Shui-Nee Chow. Uniform boundness and generalized inverses in Liapunov–Schmidt method for subharmonics. *Lecture Notes in Mathematics*, 1248:28–39, 1987. CODEN LNMAA2. ISBN 3-540-17741-8 (print), 3-540-47791-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077413/>.

Chudnovsky:1987:CAN

- [CC87b] D. V. Chudnovsky and G. V. Chudnovsky. Computer assisted number theory with applications. *Lecture Notes in Mathematics*, 1240:1–68, 1987. CODEN LNMAA2. ISBN 3-540-17669-1 (print), 3-540-47756-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072972/>.

Chudnovsky:1988:EFG

- [CC88] D. V. Chudnovsky and G. V. Chudnovsky. Elliptic formal groups over \mathbf{Z} and F_p in applications to number theory, computer science and topology. *Lecture Notes in Mathematics*, 1326:11–54, 1988. CODEN LNMAA2. ISBN 3-540-19490-8 (print), 3-540-39300-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078037/>.

Cecil:1989:DSL

- [CC89a] Thomas E. Cecil and Shiing-Shen Chern. Dupin submanifolds in Lie sphere geometry. *Lecture Notes in Mathematics*, 1369:1–48, 1989. CODEN LNMAA2. ISBN 3-540-51037-0 (print), 3-540-46137-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087525/>.

Chudnovsky:1989:CPA

- [CC89b] D. V. Chudnovsky and G. V. Chudnovsky. Computational problems in arithmetic of linear differential equations. Some Diophantine applications. *Lecture Notes in Mathematics*, 1383:12–49, 1989. CODEN LNMAA2. ISBN 3-540-51549-6 (print), 3-540-46640-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083567/>.

Chudnovsky:1985:NTS

- [CCCN85] David V. Chudnovsky, Gregory V. Chudnovsky, Harvey Cohn, and Melvyn B. Nathanson, editors. *Number Theory: A Seminar held at the Graduate School and University Center of the City University of New York 1983–84*, volume 1135 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15649-6 (print), 3-540-39535-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1135. URL <http://link.springer.com/book/10.1007/BFb0074598>; <http://www.springerlink.com/content/978-3-540-39535-5>.

Chudnovsky:1987:NTS

- [CCCN87] David V. Chudnovsky, Gregory V. Chudnovsky, Harvey Cohn, and Melvyn B. Nathanson, editors. *Number Theory: A Seminar held at the Graduate School and University Center of the City University of New York 1984–85*, volume 1240 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-17669-1 (print), 3-540-47756-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1240. URL <http://link.springer.com/book/10.1007/BFb0072971>; <http://www.springerlink.com/content/978-3-540-47756-3>.

Carverhill:1986:CES

- [CCE86] A. P. Carverhill, M. J. Chappell, and K. D. Elworthy. Characteristic exponents for stochastic flows. *Lecture Notes in Mathematics*

ics, 1158:52–80, 1986. CODEN LNMAA2. ISBN 3-540-15998-3 (print), 3-540-39703-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080209/>.

Charzynski:1985:CKJ

- [CCS85] Zygmunt Charzyński, Jacek Chadzyński, and Przemysław Skibiński. A contribution to Keller’s Jacobian conjecture. *Lecture Notes in Mathematics*, 1165:36–51, 1985. CODEN LNMAA2. ISBN 3-540-16050-7 (print), 3-540-39734-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076145/>.

Chatzidakis:1987:OTS

- [CCS⁺87] Z. Chatzidakis, G. Cherlin, S. Shelah, G. Srouf, and C. Wood. Orthogonality of types in separably closed fields. *Lecture Notes in Mathematics*, 1292:72–88, 1987. CODEN LNMAA2. ISBN 3-540-18674-3 (print), 3-540-48049-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082232/>.

Cosnard:1985:DA

- [CD85] M. Cosnard and J. Demongeot. On the definitions of attractors. *Lecture Notes in Mathematics*, 1163:23–31, 1985. CODEN LNMAA2. ISBN 3-540-16067-1 (print), 3-540-39749-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076414/>.

Cordes:1987:LCA

- [CD87] H. O. Cordes and S. H. Doong. The Laplace comparison algebra of spaces with conical and cylindrical ends. *Lecture Notes in Mathematics*, 1256:55–90, 1987. CODEN LNMAA2. ISBN 3-540-17856-2 (print), 3-540-47886-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077738/>.

Conti:1986:ORF

- [CDG86] Roberto Conti, Ennio De Giorgi, and Franco Giannessi, editors. *Optimization and Related Fields: Proceedings of the “G. Stampacchia International School of Mathematics” held at Erice, Sicily September 17–30, 1984*, volume 1190 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-

16476-6 (print), 3-540-39817-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1190. URL <http://link.springer.com/book/10.1007/BFb0076699>; <http://www.springerlink.com/content/978-3-540-39817-2>.

Coifman:1989:CZO

- [CDMS89] R. Coifman, G. David, Y. Meyer, and S. Semmes. θ -Calderón–Zygmund operators. *Lecture Notes in Mathematics*, 1384:132–145, 1989. CODEN LNMAA2. ISBN 3-540-51460-0 (print), 3-540-48134-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086798/>.

Carmona:1987:NCH

- [CDV87] Jacques Carmona, Patrick Delorme, and Michèle Vergne, editors. *Non-Commutative Harmonic Analysis and Lie Groups: Proceedings of the International Conference held in Marseille–Luminy, June 24–29, 1985*, volume 1243 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-17701-9 (print), 3-540-47775-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1243. URL <http://link.springer.com/book/10.1007/BFb0073014>; <http://www.springerlink.com/content/978-3-540-47775-4>.

Chappell:1988:FND

- [CE88] M. J. Chappell and K. D. Elworthy. Flows of Newtonian diffusions. *Lecture Notes in Mathematics*, 1325:61–75, 1988. CODEN LNMAA2. ISBN 3-540-50015-4 (print), 3-540-45887-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077916/>.

Cecchini:1985:NCS

- [Cec85] Carlo Cecchini. Non commutative L^p spaces and K.M.S. functions. *Lecture Notes in Mathematics*, 1136:136–142, 1985. CODEN LNMAA2. ISBN 3-540-15661-5 (print), 3-540-39570-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074467/>.

Cecconi:1986:PP

- [Cec86] J. P. Cecconi. On Pareto’s problems. *Lecture Notes in Mathematics*, 1190:131–161, 1986. CODEN LNMAA2. ISBN 3-540-16476-6

(print), 3-540-39817-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076704/>.

Cecchini:1988:SNR

- [Cec88] Carlo Cecchini. Some noncommutative Radon–Nikodym theorems for von Neumann algebras. *Lecture Notes in Mathematics*, 1303:52–68, 1988. CODEN LNMAA2. ISBN 3-540-18919-X (print), 3-540-38846-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078054/>.

Cecchini:1989:SCN

- [Cec89] Carlo Cecchini. Stochastic couplings for von Neumann algebras. *Lecture Notes in Mathematics*, 1396:128–141, 1989. CODEN LNMAA2. ISBN 3-540-51613-1 (print), 3-540-46713-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083549/>.

Cedo:1988:RGA

- [Ced88] Ferran Cedó. Regular group algebras whose maximal right and left quotient rings coincide. *Lecture Notes in Mathematics*, 1328:69–74, 1988. CODEN LNMAA2. ISBN 3-540-19474-6 (print), 3-540-39278-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100916/>.

Cegrell:1987:SFM

- [Ceg87] Urban Cegrell. Subharmonic functions and minimal surfaces. *Lecture Notes in Mathematics*, 1276:60–66, 1987. CODEN LNMAA2. ISBN 3-540-18357-4 (print), 3-540-47904-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078955/>.

Cegla:1989:CPC

- [Ceg89] Wojciech Cegła. The covering property in a causal logic. *Lecture Notes in Mathematics*, 1396:142–148, 1989. CODEN LNMAA2. ISBN 3-540-51613-1 (print), 3-540-46713-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083550/>.

Cobos:1988:HSS

- [CF88] Fernando Cobos and Dicesar Lass Fernandez. Hardy–Sobolev spaces and Besov spaces with a function parameter. *Lecture Notes*

in Mathematics, 1302:158–170, 1988. CODEN LNMAA2. ISBN 3-540-18905-X (print), 3-540-38841-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078872/>.

Caranti:1987:SEI

- [CFdG87] A. Caranti, S. Franciosi, and F. de Giovanni. Some examples of infinite groups in which each element commutes with its endomorphic images. *Lecture Notes in Mathematics*, 1281:9–17, 1987. CODEN LNMAA2. ISBN 3-540-18399-X (print), 3-540-47948-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078685/>.

Carreras:1986:HND

- [CFM86] F. J. Carreras, A. Ferrández, and V. Miquel. Hermitian natural differential operators. *Lecture Notes in Mathematics*, 1209:109–132, 1986. CODEN LNMAA2. ISBN 3-540-16801-X (print), 3-540-44844-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076624/>.

Chinea:1986:EAC

- [CG86a] D. Chinea and C. González. An example of an almost cosymplectic homogeneous manifold. *Lecture Notes in Mathematics*, 1209:133–142, 1986. CODEN LNMAA2. ISBN 3-540-16801-X (print), 3-540-44844-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076625/>.

Cox:1986:CCT

- [CG86b] J. Theodore Cox and David Griffeath. Critical clustering in the two dimensional voter model. *Lecture Notes in Mathematics*, 1212:59–68, 1986. CODEN LNMAA2. ISBN 3-540-16803-6 (print), 3-540-47053-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076238/>.

Chobanyan:1989:PRS

- [CG89] S. A. Chobanyan and G. J. Georgobiani. A problem on rearrangements of summands in normed spaces and Rademacher sums. *Lecture Notes in Mathematics*, 1391:33–46, 1989. CODEN LNMAA2. ISBN 3-540-51548-8 (print), 3-540-48244-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083378/>.

Cegarra:1988:ESF

- [CGC88] A. M. Cegarra, A. R. Garzón, and P. Carrasco. An exact sequence in the first variable for non-abelian cohomology in algebraic categories. A Mayer–Vietoris sequence for non-abelian cohomology of groups. *Lecture Notes in Mathematics*, 1348:72–86, 1988. CODEN LNMAA2. ISBN 3-540-50362-5 (print), 3-540-45985-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081349/>.

Curtis:1987:CUA

- [CGMM87] Edward B. Curtis, Paul Goerss, Mark Mahowald, and R. James Milgram. Calculations of unstable Adams E_2 terms for spheres. *Lecture Notes in Mathematics*, 1286:208–266, 1987. CODEN LNMAA2. ISBN 3-540-18481-3 (print), 3-540-47986-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078744/>.

Cordes:1987:PDO

- [CGW87] Heinz O. Cordes, Bernhard Gramsch, and Harold Widom, editors. *Pseudo-Differential Operators: Proceedings of a Conference held in Oberwolfach, February 2–8, 1986*, volume 1256 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-17856-2 (print), 3-540-47886-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3.L28 no. 1256. URL <http://link.springer.com/book/10.1007/BFb0077734>; <http://www.springerlink.com/content/978-3-540-47886-7>.

Chern:1985:RMA

- [CH85] S. S. Chern and R. S. Hamilton. On Riemannian metrics adapted to three-dimensional contact manifolds. *Lecture Notes in Mathematics*, 1111:279–308, 1985. CODEN LNMAA2. ISBN 3-540-15195-8 (print), 3-540-39298-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084596/>.

Hsiang:1989:PPD

- [cH89a] Wu chung Hsiang. A personal perspective of differentiable transformation groups. *Lecture Notes in Mathematics*, 1375:1–5, 1989. CODEN LNMAA2. ISBN 3-540-51218-7 (print), 3-540-46178-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085594/>.

Coutinho:1989:DOS

- [CH89b] S. C. Coutinho and M. P. Holland. Differential operators on smooth varieties. *Lecture Notes in Mathematics*, 1404:201–219, 1989. CODEN LNMAA2. ISBN 3-540-51812-6 (print), 3-540-46814-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084077/>.

Chalmers:1985:APC

- [Cha85a] Bruce L. Chalmers. Absolute projection constants via absolute minimal projections. *Lecture Notes in Mathematics*, 1166:15–21, 1985. CODEN LNMAA2. ISBN 3-540-16051-5 (print), 3-540-39736-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074688/>.

Chaperon:1985:EPC

- [Cha85b] Marc Chaperon. An elementary proof of the Conley–Zehnder theorem in symplectic geometry. *Lecture Notes in Mathematics*, 1125:1–8, 1985. CODEN LNMAA2. ISBN 3-540-15233-4 (print), 3-540-39411-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075631/>.

Chan:1986:EMA

- [Cha86a] Tony F. Chan. An efficient modular algorithm for coupled nonlinear systems. *Lecture Notes in Mathematics*, 1230:73–85, 1986. CODEN LNMAA2. ISBN 3-540-17200-9 (print), 3-540-47379-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072672/>.

Chang:1986:MPL

- [Cha86b] Kung-Ching Chang. On the Mountain Pass Lemma. *Lecture Notes in Mathematics*, 1192:203–208, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076070/>.

Chatterji:1986:MTA

- [Cha86c] S. D. Chatterji. Martingale theory: an analytical formulation with some applications in analysis. *Lecture Notes in Mathematics*, 1206:109–166, 1986. CODEN LNMAA2. ISBN 3-540-16787-0

(print), 3-540-40955-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076301/>.

Chaperon:1988:IMP

- [Cha88] Marc Chaperon. Invariant manifolds and a preparation lemma for local holomorphic flows and actions. *Lecture Notes in Mathematics*, 1345:95–110, 1988. CODEN LNMAA2. ISBN 3-540-50226-2 (print), 3-540-45957-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081397/>.

Cheney:1985:FLA

- [Che85] E. W. Cheney. Five lectures on the algorithmic aspects of approximation theory. *Lecture Notes in Mathematics*, 1129:1–20, 1985. CODEN LNMAA2. ISBN 3-540-15234-2 (print), 3-540-39412-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075156/>.

Cheeger:1986:VTP

- [Che86a] Jeff Cheeger. A vanishing theorem for piecewise constant curvature spaces. *Lecture Notes in Mathematics*, 1201:33–40, 1986. CODEN LNMAA2. ISBN 3-540-16770-6 (print), 3-540-38827-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075646/>.

Chen:1986:DS

- [Che86b] Kuo-Tsai Chen. On differentiable spaces. *Lecture Notes in Mathematics*, 1174:38–42, 1986. CODEN LNMAA2. ISBN 3-540-16096-5 (print), 3-540-39760-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076932/>.

Chen:1986:HLG

- [Che86c] Yu Chen. Homomorphisms from linear groups over division rings to algebraic groups. *Lecture Notes in Mathematics*, 1185:231–265, 1986. CODEN LNMAA2. ISBN 3-540-16456-1 (print), 3-540-39793-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076177/>.

Chen:1986:PVS

- [Che86d] Z. Chen. A prehomogeneous vector space of characteristic 3. *Lecture Notes in Mathematics*, 1185:266–276, 1986. CODEN LN-

MAA2. ISBN 3-540-16456-1 (print), 3-540-39793-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076178/>.

Chen:1987:ELB

- [Che87] Zihua Chen. An estimate of the lower bound of Levi form and its applications. *Lecture Notes in Mathematics*, 1255:13–25, 1987. CODEN LNMAA2. ISBN 3-540-17849-X (print), 3-540-47883-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077677/>.

Chen:1988:SSF

- [Che88a] Shuxing Chen. Smoothness of shock front solutions for systems of conservation laws. *Lecture Notes in Mathematics*, 1306:38–60, 1988. CODEN LNMAA2. ISBN 3-540-19097-X (print), 3-540-39107-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082923/>.

Chen:1988:DMA

- [Che88b] Yazhe Chen. On degenerate Monge–Ampère equations in convex domains. *Lecture Notes in Mathematics*, 1306:61–68, 1988. CODEN LNMAA2. ISBN 3-540-19097-X (print), 3-540-39107-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082924/>.

Chernjakov:1988:OEF

- [Che88c] A. G. Chernjakov. Obstructions to the existence of free non-holonomic structure on a smooth manifold. *Lecture Notes in Mathematics*, 1346:139–156, 1988. CODEN LNMAA2. ISBN 3-540-50237-8 (print), 3-540-45958-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082776/>.

Chen:1989:MCT

- [Che89] Weihuan Chen. The mean curvatures on the tubular hypersurfaces in a space of constant curvature. *Lecture Notes in Mathematics*, 1369:49–62, 1989. CODEN LNMAA2. ISBN 3-540-51037-0 (print), 3-540-46137-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087526/>.

Chiappinelli:1985:BNP

- [Chi85] Raffaele Chiappinelli. On bifurcation for nondifferentiable perturbations of selfadjoint operators. *Lecture Notes in Mathematics*, 1151:109–114, 1985. CODEN LNMAA2. ISBN 3-540-15694-1 (print), 3-540-39640-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074719/>.

Chaillou:1989:BNF

- [CHM89] Paul Chaillou, Pierre Hansen, and Yvon Mahieu. Best network flow bounds for the quadratic knapsack problem. *Lecture Notes in Mathematics*, 1403:225–235, 1989. CODEN LNMAA2. ISBN 3-540-51797-9 (print), 3-540-46810-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083467/>.

Choda:1985:SEF

- [Cho85a] Marie Choda. Strong ergodicity and full II_1 -factors. *Lecture Notes in Mathematics*, 1132:84–90, 1985. CODEN LNMAA2. ISBN 3-540-15643-7 (print), 3-540-39514-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074880/>.

Chong:1985:RTS

- [Cho85b] C. T. Chong. Recursion theory on strongly Σ_2 inadmissible ordinals. *Lecture Notes in Mathematics*, 1141:49–64, 1985. CODEN LNMAA2. ISBN 3-540-15673-9 (print), 3-540-39596-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076214/>.

Chollet:1987:PRS

- [Cho87a] Anne-Marie Chollet. Propriétés de recouvrement des sous-ensembles de la frontière d'un domaine strictement pseudoconvexe. (French) []. *Lecture Notes in Mathematics*, 1276:67–78, 1987. CODEN LNMAA2. ISBN 3-540-18357-4 (print), 3-540-47904-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078956/>.

Chow:1987:EFA

- [Cho87b] P. L. Chow. Expectation functionals associated with some stochastic evolution equations. *Lecture Notes in Mathematics*, 1236:40–

56, 1987. CODEN LNMAA2. ISBN 3-540-17211-4 (print), 3-540-47408-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072882/>.

Cho:1989:GDF

[Cho89a] Jung Rae Cho. On n -groupoids defined on fields. *Lecture Notes in Mathematics*, 1398:73–81, 1989. CODEN LNMAA2. ISBN 3-540-51695-6 (print), 3-540-46756-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086241/>.

Chong:1989:RES

[Cho89b] C. T. Chong. Recursively enumerable sets in models of Σ_2 collection. *Lecture Notes in Mathematics*, 1388:1–15, 1989. CODEN LNMAA2. ISBN 3-540-51527-5 (print), 3-540-48220-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083664/>.

Choquet:1989:LMB

[Cho89c] Gustave Choquet. L'oeuvre de Marcel BreLOT (1903–1987). (French) []. *Lecture Notes in Mathematics*, 1393:1–23, 1989. CODEN LNMAA2. ISBN 3-540-51592-5 (print), 3-540-46675-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085768/>.

Christophersen:1987:MCO

[Chr87] Jan Arthur Christophersen. Monomial curves and obstructions on cyclic quotient singularities. *Lecture Notes in Mathematics*, 1273:117–133, 1987. CODEN LNMAA2. ISBN 3-540-18263-2 (print), 3-540-47851-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078839/>.

Christ:1989:ESP

[Chr89] Mike Christ. On the $\bar{\partial}_b$ equation and Szegő projection on CR manifolds. *Lecture Notes in Mathematics*, 1384:146–158, 1989. CODEN LNMAA2. ISBN 3-540-51460-0 (print), 3-540-48134-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086799/>.

Connes:1985:DSS

- [CHS85] Alain Connes, Uffe Haagerup, and Erling Størmer. Diameters of state spaces of type III factors. *Lecture Notes in Mathematics*, 1132:91–116, 1985. CODEN LNMAA2. ISBN 3-540-15643-7 (print), 3-540-39514-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074881/>.

Chu:1988:NEP

- [Chu88a] Hsin Chu. A note on the existence of periodic solutions of a differential system. *Lecture Notes in Mathematics*, 1342:94–99, 1988. CODEN LNMAA2. ISBN 3-540-50174-6 (print), 3-540-45946-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082824/>.

Chung:1988:PMP

- [Chu88b] Kai-Lai Chung. Probability methods in potential theory. *Lecture Notes in Mathematics*, 1344:42–54, 1988. CODEN LNMAA2. ISBN 3-540-50210-6 (print), 3-540-45952-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0103343/>.

Cibils:1986:HHH

- [Cib86] Claude Cibils. Hochschild homology of an algebra whose quiver has no oriented cycles. *Lecture Notes in Mathematics*, 1177:55–59, 1986. CODEN LNMAA2. ISBN 3-540-16432-4 (print), 3-540-39776-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075258/>.

Ciesielski:1988:NPD

- [Cie88] Z. Ciesielski. Nonparametric polynomial density estimation in the L^P norm. *Lecture Notes in Mathematics*, 1354:1–10, 1988. CODEN LNMAA2. ISBN 3-540-50443-5 (print), 3-540-46005-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089579/>.

Ciliberto:1987:HFF

- [Cil87] Ciro Ciliberto. Hilbert functions of finite sets of points and the genus of a curve in a projective space. *Lecture Notes in Mathematics*, 1266:24–73, 1987. CODEN LNMAA2. ISBN 3-540-18020-6

(print), 3-540-47708-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078177/>.

Cushman:1985:EMM

- [CK85] R. Cushman and H. Knörrer. The energy momentum mapping of the Lagrange top. *Lecture Notes in Mathematics*, 1139:12–24, 1985. CODEN LNMAA2. ISBN 3-540-15666-6 (print), 3-540-39585-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074575/>.

Culik:1988:SEF

- [CK88] K. Culik II and J. Karhumäki. Systems of equations over a finitely generated free monoid having an effectively findable equivalent finite subsystem. *Lecture Notes in Mathematics*, 1320:18–27, 1988. CODEN LNMAA2. ISBN 3-540-19347-2 (print), 3-540-39225-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083421/>.

Christodoulou:1989:NSM

- [CK89] D. Christodoulou and S. Klainerman. The nonlinear stability of the Minkowski metric in general relativity. *Lecture Notes in Mathematics*, 1402:128–145, 1989. CODEN LNMAA2. ISBN 3-540-51746-4 (print), 3-540-46800-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083872/>.

Cattani:1987:HTP

- [CKGP87] Eduardo Cattani, Aroldo Kaplan, Francisco Guillén, and Fernando Puerta, editors. *Hodge Theory: Proceedings of the U.S.–Spain Workshop held in Sant Cugat (Barcelona), Spain June 24–30, 1985*, volume 1246 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-17743-4 (print), 3-540-47794-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1246. URL <http://link.springer.com/book/10.1007/BFb0077524>; <http://www.springerlink.com/content/978-3-540-47794-5>.

Cattani:1987:SRI

- [CKS87a] Eduardo Cattani, Aroldo Kaplan, and Wilfried Schmid. Some remarks on L^2 and intersection cohomologies. *Lecture Notes*

in Mathematics, 1246:32–41, 1987. CODEN LNMAA2. ISBN 3-540-17743-4 (print), 3-540-47794-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077527/>.

Cattani:1987:VPH

- [CKS87b] Eduardo Cattani, Aroldo Kaplan, and Wilfried Schmid. Variations of polarized Hodge structure: Asymptotics and monodromy. *Lecture Notes in Mathematics*, 1246:16–31, 1987. CODEN LNMAA2. ISBN 3-540-17743-4 (print), 3-540-47794-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077526/>.

Contessa:1985:AAS

- [CL85] Maria Contessa and Léonce Lesieur. *D*-anneaux et anneaux *F*-semi-parfaits. (French) []. *Lecture Notes in Mathematics*, 1146:367–404, 1985. CODEN LNMAA2. ISBN 3-540-15686-0 (print), 3-540-39628-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074548/>.

Colombeau:1987:NTE

- [CL87] J.-F. Colombeau and A. Y. Le Roux. Numerical techniques in elastoplasticity. *Lecture Notes in Mathematics*, 1270:103–114, 1987. CODEN LNMAA2. ISBN 3-540-18200-4 (print), 3-540-47805-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078320/>.

Chen:1989:INE

- [CL89a] H. H. Chen and J. E. Lin. On the integrability of nonlinear evolution equations. *Lecture Notes in Mathematics*, 1394:30–43, 1989. CODEN LNMAA2. ISBN 3-540-51594-1 (print), 3-540-46679-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086750/>.

Cranston:1989:SBH

- [CL89b] M. Cranston and Y. Le Jan. Simultaneous boundary hitting for a two point reflecting Brownian motion. *Lecture Notes in Mathematics*, 1372:234–238, 1989. CODEN LNMAA2. ISBN 3-540-51191-1 (print), 3-540-46176-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083975/>.

Clarke:1986:TRT

- [Cla86] F. H. Clarke. Tonelli's regularity theory in the calculus of variations: Recent progress. *Lecture Notes in Mathematics*, 1190: 163–179, 1986. CODEN LNMAA2. ISBN 3-540-16476-6 (print), 3-540-39817-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076705/>.

Clerc:1987:BRM

- [Cle87] Jean-Louis Clerc. Bochner–Riesz means of H^p functions ($0 < p < 1$) on compact Lie groups. *Lecture Notes in Mathematics*, 1243:86–107, 1987. CODEN LNMAA2. ISBN 3-540-17701-9 (print), 3-540-47775-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073019/>.

Clerc:1988:FBP

- [Cle88] J.-L. Clerc. Fonctions K de Bessel pour les algèbres de Jordan. (French) []. *Lecture Notes in Mathematics*, 1359:122–134, 1988. CODEN LNMAA2. ISBN 3-540-50524-5 (print), 3-540-46032-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086593/>.

Clote:1985:ALB

- [Clo85a] P. Clote. Applications of the low-basis theorem in arithmetic. *Lecture Notes in Mathematics*, 1141:65–88, 1985. CODEN LNMAA2. ISBN 3-540-15673-9 (print), 3-540-39596-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076215/>.

Clote:1985:PRA

- [Clo85b] P. Clote. Partition relations in arithmetic. *Lecture Notes in Mathematics*, 1130:32–68, 1985. CODEN LNMAA2. ISBN 3-540-15236-9 (print), 3-540-39414-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075306/>.

Casagrande:1985:AET

- [CLS85] F. Casagrande, L. A. Lugiato, and G. Strini. Adiabatic elimination technique for quantum dissipative systems. *Lecture Notes in Mathematics*, 1136:112–125, 1985. CODEN LNMAA2. ISBN 3-540-15661-5 (print), 3-540-39570-9 (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074465/>.

Chaleyat-Maurel:1987:CNF

- [CM87a] Mireille Chaleyat-Maurel. Continuity in nonlinear filtering: some different approaches. *Lecture Notes in Mathematics*, 1236:25–39, 1987. CODEN LNMAA2. ISBN 3-540-17211-4 (print), 3-540-47408-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072881/>.

Chattot:1987:BSE

- [CM87b] Jean-Jacques Chattot and Sylvie Malet. A “box-scheme” for the Euler equations. *Lecture Notes in Mathematics*, 1270:82–102, 1987. CODEN LNMAA2. ISBN 3-540-18200-4 (print), 3-540-47805-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078319/>.

Cima:1987:CTM

- [CM87c] Professor Joseph A. Cima and Professor Thomas H. MacGregor. Cauchy Transforms of measures and univalent functions. *Lecture Notes in Mathematics*, 1275:78–88, 1987. CODEN LNMAA2. ISBN 3-540-18356-6 (print), 3-540-47899-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078345/>.

Cohen:1987:S

- [CM87d] Fred Cohen and Mark Mahowald. The splitting of $\omega^2 S^{2n+1}$. *Lecture Notes in Mathematics*, 1286:188–192, 1987. CODEN LNMAA2. ISBN 3-540-18481-3 (print), 3-540-47986-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078742/>.

Cachafeiro:1988:ARL

- [CM88a] M. A. Cachafeiro and F. Marcellán. Asymptotics for the ratio of the leading coefficients of orthogonal polynomials associated with a jump modification. *Lecture Notes in Mathematics*, 1354:111–117, 1988. CODEN LNMAA2. ISBN 3-540-50443-5 (print), 3-540-46005-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089587/>.

Cachafeiro:1988:OPJ

- [CM88b] M. A. Cachafeiro and F. Marcellán. Orthogonal polynomials and jump modifications. *Lecture Notes in Mathematics*, 1329:236–240, 1988. CODEN LNMAA2. ISBN 3-540-19489-4 (print), 3-540-39295-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083362/>.

Coven:1988:BMD

- [CM88c] Ethan M. Coven and Irene Mulvey. The Barge–Martin decomposition theorem for pointwise nonwandering maps of the interval. *Lecture Notes in Mathematics*, 1342:100–104, 1988. CODEN LNMAA2. ISBN 3-540-50174-6 (print), 3-540-45946-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082825/>.

Cervera:1989:SRN

- [CM89a] Vicente Cervera and Francisca Mascaró. Some results on the normal subgroups of $\text{Diff}^\Omega(X \times \mathbf{R}^+, \text{rel}X \times [0])$. *Lecture Notes in Mathematics*, 1410:87–93, 1989. CODEN LNMAA2. ISBN 3-540-51885-1 (print), 3-540-46858-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086414/>.

Chow:1989:VIC

- [CM89b] P. L. Chow and J.-L. Menaldi. Variational inequalities for the control of stochastic partial differential equations. *Lecture Notes in Mathematics*, 1390:42–52, 1989. CODEN LNMAA2. ISBN 3-540-51510-0 (print), 3-540-48200-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083935/>.

Chaleyat-Maurel:1985:GGF

- [CMJ85] Mireille Chaleyat-Maurel and Thierry Jeulin. Grossissement gaussien de la filtration brownienne. (French) []. *Lecture Notes in Mathematics*, 1118:59–109, 1985. CODEN LNMAA2. ISBN 3-540-15210-5 (print), 3-540-39339-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075771/>.

Chaleyat-Maurel:1989:SDF

- [CMM89] Mireille Chaleyat-Maurel and Dominique Michel. The support of the density of a filter in the uncorrelated case. *Lecture Notes*

in Mathematics, 1390:33–41, 1989. CODEN LNMAA2. ISBN 3-540-51510-0 (print), 3-540-48200-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083934/>.

Cervera:1989:VEN

- [CMS89] Vicente Cervera, Francisca Mascaró, and Rafael Sivera. On volume elements on a non-compact manifold. *Lecture Notes in Mathematics*, 1410:94–99, 1989. CODEN LNMAA2. ISBN 3-540-51885-1 (print), 3-540-46858-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086415/>.

Coleman:1986:RRF

- [CO86] Bernard D. Coleman and David R. Owen. Recent research on the foundations of thermodynamics. *Lecture Notes in Mathematics*, 1174:83–99, 1986. CODEN LNMAA2. ISBN 3-540-16096-5 (print), 3-540-39760-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076936/>.

Chiantini:1989:PSA

- [CO89] Luca Chiantini and Ferruccio Orecchia. Plane sections of arithmetically normal curves in \mathbf{P}^3 . *Lecture Notes in Mathematics*, 1389:32–42, 1989. CODEN LNMAA2. ISBN 3-540-51509-7 (print), 3-540-48188-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085922/>.

Coen:1987:SPC

- [Coe87] S. Coen. Some properties of the canonical mapping of a complex space into its spectrum. *Lecture Notes in Mathematics*, 1276:79–107, 1987. CODEN LNMAA2. ISBN 3-540-18357-4 (print), 3-540-47904-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078957/>.

Cohn:1985:KPI

- [Coh85] Harvey Cohn. Klein's paradox, the icosahedron, and ring class fields. *Lecture Notes in Mathematics*, 1135:101–111, 1985. CODEN LNMAA2. ISBN 3-540-15649-6 (print), 3-540-39535-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074602/>.

Cohen:1986:PLC

- [Coh86] Arjeh M. Cohen. Point-line characterizations of buildings. *Lecture Notes in Mathematics*, 1181:191–206, 1986. CODEN LNMAA2. ISBN 3-540-16466-9 (print), 3-540-39801-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075515/>.

Cohen:1987:CSA

- [Coh87a] F. R. Cohen. A course in some aspects of classical homotopy theory. *Lecture Notes in Mathematics*, 1286:1–92, 1987. CODEN LNMAA2. ISBN 3-540-18481-3 (print), 3-540-47986-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078738/>.

Cohen:1987:MFL

- [Coh87b] Ralph L. Cohen. A model for the free loop space of a suspension. *Lecture Notes in Mathematics*, 1286:193–207, 1987. CODEN LNMAA2. ISBN 3-540-18481-3 (print), 3-540-47986-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078743/>.

Cohn:1987:SDP

- [Coh87c] Harvey Cohn. Successive diagonal projections of Hilbert modular functions. *Lecture Notes in Mathematics*, 1240:69–86, 1987. CODEN LNMAA2. ISBN 3-540-17669-1 (print), 3-540-47756-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072973/>.

Cohen:1988:FFN

- [Coh88a] Robert Cohen. A filtering formula for a non-linear system having a continuous observation, and a discrete observation at random times. *Lecture Notes in Mathematics*, 1316:352–371, 1988. CODEN LNMAA2. ISBN 3-540-19315-4 (print), 3-540-39186-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081940/>.

Cohn:1988:VRF

- [Coh88b] P. M. Cohn. Valuations on Ree fields. *Lecture Notes in Mathematics*, 1352:75–87, 1988. CODEN LNMAA2. ISBN 3-540-50371-4 (print), 3-540-45994-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082018/>.

Cohn:1989:ITV

- [Coh89] Harvey Cohn. Iteration of two-valued modular equations. *Lecture Notes in Mathematics*, 1383:50–58, 1989. CODEN LNMAA2. ISBN 3-540-51549-6 (print), 3-540-46640-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083568/>.

Collatz:1986:EAM

- [Col86] L. Collatz. Einige Anwendungen der Mehrdimensionalen Approximationstheorie zur Lösungseinschließung bei Randwertaufgaben. (German) [Some applications of multidimensional approximation theory for enclosure-solution of boundary value problems]. *Lecture Notes in Mathematics*, 1192:367–372, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076095/>.

Collet:1988:HDS

- [Col88a] P. Collet. Hausdorff dimension of the singularities for invariant measures of expanding dynamical systems. *Lecture Notes in Mathematics*, 1331:47–58, 1988. CODEN LNMAA2. ISBN 3-540-50016-2 (print), 3-540-45889-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083065/>.

Colley:1988:MPF

- [Col88b] Susan Jane Colley. Multiple-point formulas and line complexes. *Lecture Notes in Mathematics*, 1311:9–22, 1988. CODEN LNMAA2. ISBN 3-540-19236-0 (print), 3-540-39157-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082906/>.

Colonius:1988:I

- [Col88c] Fritz Colonius. Introduction. *Lecture Notes in Mathematics*, 1313:1–7, 1988. CODEN LNMAA2. ISBN 3-540-19249-2 (print), 3-540-39170-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077932/>.

Colonius:1988:LRM

- [Col88d] Fritz Colonius. Local relaxed minima. *Lecture Notes in Mathematics*, 1313:86–103, 1988. CODEN LNMAA2. ISBN 3-540-19249-2

(print), 3-540-39170-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077937/>.

Colonus:1988:OPC

- [Col88e] Fritz Colonius. Optimal periodic control of ordinary differential equations. *Lecture Notes in Mathematics*, 1313:145–166, 1988. CODEN LNMAA2. ISBN 3-540-19249-2 (print), 3-540-39170-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077940/>.

Colonus:1988:OT

- [Col88f] Fritz Colonius. Optimization theory. *Lecture Notes in Mathematics*, 1313:8–30, 1988. CODEN LNMAA2. ISBN 3-540-19249-2 (print), 3-540-39170-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077933/>.

Colonus:1988:RFD

- [Col88g] Fritz Colonius. Retarded functional differential equations. *Lecture Notes in Mathematics*, 1313:31–47, 1988. CODEN LNMAA2. ISBN 3-540-19249-2 (print), 3-540-39170-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077934/>.

Colonus:1988:SLP

- [Col88h] Fritz Colonius. A scenario for local properness. *Lecture Notes in Mathematics*, 1313:129–144, 1988. CODEN LNMAA2. ISBN 3-540-19249-2 (print), 3-540-39170-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077939/>.

Colonus:1988:SLM

- [Col88i] Fritz Colonius. Strong local minima. *Lecture Notes in Mathematics*, 1313:48–64, 1988. CODEN LNMAA2. ISBN 3-540-19249-2 (print), 3-540-39170-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077935/>.

Colonus:1988:TLP

- [Col88j] Fritz Colonius. Tests for local properness. *Lecture Notes in Mathematics*, 1313:104–128, 1988. CODEN LNMAA2. ISBN 3-540-19249-2 (print), 3-540-39170-3 (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077938/>.

Colonius:1988:WLM

- [Col88k] Fritz Colonius. Weak local minima. *Lecture Notes in Mathematics*, 1313:65–85, 1988. CODEN LNMAA2. ISBN 3-540-19249-2 (print), 3-540-39170-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077936/>.

Comer:1985:UAL

- [Com85] Stephen D. Comer, editor. *Universal Algebra and Lattice Theory: Proceedings of a Conference held at Charleston, July 11–14, 1984*, volume 1149 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15691-7 (print), 3-540-39638-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1149. URL <http://link.springer.com/book/10.1007/BFb0098450>; <http://www.springerlink.com/content/978-3-540-39638-3>.

Connes:1985:INC

- [Con85a] A. Connes. Introduction to non commutative differential geometry. *Lecture Notes in Mathematics*, 1111:3–16, 1985. CODEN LNMAA2. ISBN 3-540-15195-8 (print), 3-540-39298-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084582/>.

Conte:1985:FTS

- [Con85b] A. Conte. Fano threefolds with singularities. *Lecture Notes in Mathematics*, 1124:71–78, 1985. CODEN LNMAA2. ISBN 3-540-15232-6 (print), 3-540-39643-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074996/>.

Conti:1986:SCA

- [Con86] Benedetto Conti. Simply connected algebras of tree-class A_n and D_n . *Lecture Notes in Mathematics*, 1177:60–90, 1986. CODEN LNMAA2. ISBN 3-540-16432-4 (print), 3-540-39776-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075259/>.

Conforti:1989:FPG

- [Con89] Michele Conforti. (K_4-e) -free perfect graphs and star cutsets. *Lecture Notes in Mathematics*, 1403:236–253, 1989. CODEN LNMAA2. ISBN 3-540-51797-9 (print), 3-540-46810-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083468/>.

Cooper:1986:SFT

- [Coo86a] Jeffery Cooper. Scattering frequencies for time — periodic scattering problems. *Lecture Notes in Mathematics*, 1223:37–48, 1986. CODEN LNMAA2. ISBN 3-540-17191-6 (print), 3-540-47350-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099181/>.

Cooper:1986:TAS

- [Coo86b] S. Clement Cooper. On M -tables associated with strong moment problems. *Lecture Notes in Mathematics*, 1199:21–36, 1986. CODEN LNMAA2. ISBN 3-540-16768-4 (print), 3-540-38817-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075932/>.

Cooper:1989:FSR

- [Coo89] S. Clement Cooper. δ -Fraction solutions to Riccati equations. *Lecture Notes in Mathematics*, 1406:1–17, 1989. CODEN LNMAA2. ISBN 3-540-51830-4 (print), 3-540-46820-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0096162/>.

CorradaC:1985:ASC

- [Cor85] Manuel Corrada C. On the axiomatizability of sets in a class theory. *Lecture Notes in Mathematics*, 1130:69–75, 1985. CODEN LNMAA2. ISBN 3-540-15236-9 (print), 3-540-39414-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075307/>.

Clenshaw:1989:LIA

- [COT89] C. W. Clenshaw, F. W. J. Olver, and P. R. Turner. Level-index arithmetic: an introductory survey. *Lecture Notes in Mathematics*, 1397:95–168, 1989. CODEN LNMAA2. ISSN 0075-8434 (print), 1617-9692 (electronic).

Couty:1989:FRA

- [Cou89] Danielle Couty. Formes réduites des automorphismes analytiques de \mathbf{C}^n à variété linéaire fixe et répulsive. (French) []. *Lecture Notes in Mathematics*, 1404:346–410, 1989. CODEN LNMAA2. ISBN 3-540-51812-6 (print), 3-540-46814-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084083/>.

Clapp:1987:ICC

- [CP87] Mónica Clapp and Dieter Puppe. Improving categorical coverings of spaces. *Lecture Notes in Mathematics*, 1283:38–42, 1987. CODEN LNMAA2. ISBN 3-540-18443-0 (print), 3-540-47975-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081416/>.

Cenkl:1988:CN

- [CP88] Bohumil Cenkl and Richard Porter. Cohomology of nilmanifolds. *Lecture Notes in Mathematics*, 1318:73–86, 1988. CODEN LNMAA2. ISBN 3-540-19340-5 (print), 3-540-39204-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077795/>.

Carr:1989:TST

- [CP89a] Donna M. Carr and Donald H. Pelletier. Towards a structure theory for ideals on $P_\kappa\lambda$. *Lecture Notes in Mathematics*, 1401:41–54, 1989. CODEN LNMAA2. ISBN 3-540-51730-8 (print), 3-540-46795-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097330/>.

Chen:1989:DSP

- [CP89b] Xiuxiong Chen and Chia-Kuei Peng. Deformation of surfaces preserving principal curvatures. *Lecture Notes in Mathematics*, 1369:63–70, 1989. CODEN LNMAA2. ISBN 3-540-51037-0 (print), 3-540-46137-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087527/>.

Cohen:1989:SRS

- [CP89c] F. R. Cohen and F. P. Peterson. Some remarks on the space $\mathfrak{S}J$. *Lecture Notes in Mathematics*, 1370:117–125, 1989. CODEN LNMAA2. ISBN 3-540-51118-0 (print), 3-540-46160-4 (e-book).

ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085222/>.

Chin:1985:SDO

- [CQ85] Yuan-Shun Chin and Yuanxun Qin. On surfaces defined by ordinary differential equations: a new approach to Hilbert's 16th Problem. *Lecture Notes in Mathematics*, 1151:115–131, 1985. CODEN LNMAA2. ISBN 3-540-15694-1 (print), 3-540-39640-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074720/>.

Craig:1986:LID

- [Cra86a] Walter Craig. The Lyapounov index, the density of states and their regularity for general stochastic potentials. *Lecture Notes in Mathematics*, 1186:252–257, 1986. CODEN LNMAA2. ISBN 3-540-16458-8 (print), 3-540-39795-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076845/>.

Crauel:1986:LEI

- [Cra86b] Hans Crauel. Lyapunov exponents and invariant measures of stochastic systems on manifolds. *Lecture Notes in Mathematics*, 1186:271–291, 1986. CODEN LNMAA2. ISBN 3-540-16458-8 (print), 3-540-39795-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076848/>.

Crabb:1987:SS

- [Cra87] M. C. Crabb. On the stable splitting of $U(n)$ and $\omega U(n)$. *Lecture Notes in Mathematics*, 1298:35–53, 1987. CODEN LNMAA2. ISBN 3-540-18729-4 (print), 3-540-48122-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082999/>.

Cheney:1987:TDI

- [CRD87] Margaret Cheney, James H. Rose, and Brian DeFacio. Three-dimensional inverse scattering. *Lecture Notes in Mathematics*, 1285:46–54, 1987. CODEN LNMAA2. ISBN 3-540-18479-1 (print), 3-540-47983-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080580/>.

Campbell:1989:COR

- [CRT89] Colin M. Campbell, E. F. Robertson, and R. M. Thomas. On certain one-relator products of cyclic groups. *Lecture Notes in Mathematics*, 1398:52–64, 1989. CODEN LNMAA2. ISBN 3-540-51695-6 (print), 3-540-46756-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086239/>.

Crumeyrolle:1985:CPG

- [Cru85a] Albert Crumeyrolle. Constante de Planck et géométrie symplectique. (French) []. *Lecture Notes in Mathematics*, 1165:84–107, 1985. CODEN LNMAA2. ISBN 3-540-16050-7 (print), 3-540-39734-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076147/>.

Crumeyrolle:1985:CAL

- [Cru85b] Albert Crumeyrolle. Constructions d'algèbres de Lie graduées orthosymplectiques et conformosymplectiques minkowskiennes. (French) []. *Lecture Notes in Mathematics*, 1165:52–83, 1985. CODEN LNMAA2. ISBN 3-540-16050-7 (print), 3-540-39734-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076146/>.

Crumeyrolle:1987:PTP

- [Cru87] A. Crumeyrolle. Le principe de trialité, le principe d'interaction et les algèbres de Lie graduées orthosymplectiques. (French) []. *Lecture Notes in Mathematics*, 1251:49–64, 1987. CODEN LNMAA2. ISBN 3-540-17816-3 (print), 3-540-47854-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077314/>.

Campbell:1989:EPF

- [CRW89] Colin M. Campbell, E. F. Robertson, and P. D. Williams. Efficient presentations for finite simple groups and related groups. *Lecture Notes in Mathematics*, 1398:65–72, 1989. CODEN LNMAA2. ISBN 3-540-51695-6 (print), 3-540-46756-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086240/>.

Cappel:1985:TG

- [CS85a] Sylvain E. Cappel and Julius L. Shaneson. Torsion in L -groups. *Lecture Notes in Mathematics*, 1126:22–50, 1985. CODEN LN-

MAA2. ISBN 3-540-15235-0 (print), 3-540-39413-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074437/>.

Cheeger:1985:DCG

- [CS85b] Jeff Cheeger and James Simons. Differential characters and geometric invariants. *Lecture Notes in Mathematics*, 1167:50–80, 1985. CODEN LNMAA2. ISBN 3-540-16053-1 (print), 3-540-39738-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075216/>.

Chen:1986:SCW

- [CS86] Benito Chen and P. G. Saffman. Stability of capillary waves on deep water. *Lecture Notes in Mathematics*, 1230:199–207, 1986. CODEN LNMAA2. ISBN 3-540-17200-9 (print), 3-540-47379-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072682/>.

Carlson:1987:SVW

- [CS87a] James A. Carlson and Carlos Simpson. Shimura varieties of weight two Hodge structures. *Lecture Notes in Mathematics*, 1246:1–15, 1987. CODEN LNMAA2. ISBN 3-540-17743-4 (print), 3-540-47794-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077525/>.

Cima:1987:PMB

- [CS87b] Joseph A. Cima and Ted Suffridge. Proper mappings between balls in C^n . *Lecture Notes in Mathematics*, 1268:66–82, 1987. CODEN LNMAA2. ISBN 3-540-18094-X (print), 3-540-47752-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097297/>.

Cameron:1988:UFI

- [CS88a] R. H. Cameron and D. A. Storvick. Unbounded Feynman integrable functionals defined in terms of analytic functions. *Lecture Notes in Mathematics*, 1351:78–92, 1988. CODEN LNMAA2. ISBN 3-540-50370-6 (print), 3-540-45992-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081244/>.

Cotlar:1988:TLH

- [CS88b] Mischa Cotlar and Cora Sadosky. Toeplitz liftings of Hankel forms. *Lecture Notes in Mathematics*, 1302:22–43, 1988. CODEN LNMAA2. ISBN 3-540-18905-X (print), 3-540-38841-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078861/>.

Cwikel:1988:EFT

- [CS88c] Michael Cwikel and Yoram Sagher. An extension of Fourier type to quasi-Banach spaces. *Lecture Notes in Mathematics*, 1302:171–176, 1988. CODEN LNMAA2. ISBN 3-540-18905-X (print), 3-540-38841-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078873/>.

Casazza:1989:BBS

- [CS89a] Peter G. Casazza and Thaddeus J. Shura. Block basic sequences in Tsirelson’s space. *Lecture Notes in Mathematics*, 1363:19–23, 1989. CODEN LNMAA2. ISBN 3-540-50678-0 (print), 3-540-46069-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085270/>.

Casazza:1989:BLO

- [CS89b] Peter G. Casazza and Thaddeus J. Shura. Bounded linear operators on T and the “blocking” principle. *Lecture Notes in Mathematics*, 1363:24–34, 1989. CODEN LNMAA2. ISBN 3-540-50678-0 (print), 3-540-46069-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085271/>.

Casazza:1989:ETA

- [CS89c] Peter G. Casazza and Thaddeus J. Shura. Embedding theorems about T and T . *Lecture Notes in Mathematics*, 1363:54–59, 1989. CODEN LNMAA2. ISBN 3-540-50678-0 (print), 3-540-46069-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085274/>.

Casazza:1989:FJC

- [CS89d] Peter G. Casazza and Thaddeus J. Shura. The Figiel–Johnson construction of Tsirelson’s space. *Lecture Notes in Mathematics*, 1363:8–18, 1989. CODEN LNMAA2. ISBN 3-540-50678-0

(print), 3-540-46069-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085269/>.

Casazza:1989:IBS

- [CS89e] Peter G. Casazza and Thaddeus J. Shura. Isomorphisms between subspaces of Tsirelson's space which are spanned by subsequences of $\{t_n\}_{n=1}^{\infty}$. *Lecture Notes in Mathematics*, 1363:60–66, 1989. CODEN LNMAA2. ISBN 3-540-50678-0 (print), 3-540-46069-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085275/>.

Casazza:1989:MTS

- [CS89f] Peter G. Casazza and Thaddeus J. Shura. Modified Tsirelson's space: T_M . *Lecture Notes in Mathematics*, 1363:48–53, 1989. CODEN LNMAA2. ISBN 3-540-50678-0 (print), 3-540-46069-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085273/>.

Casazza:1989:PUV

- [CS89g] Peter G. Casazza and Thaddeus J. Shura. Permutations of the unit vector basis of Tsirelson's space. *Lecture Notes in Mathematics*, 1363:67–81, 1989. CODEN LNMAA2. ISBN 3-540-50678-0 (print), 3-540-46069-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085276/>.

Casazza:1989:PTC

- [CS89h] Peter G. Casazza and Thaddeus J. Shura. Precursors of the Tsirelson construction. *Lecture Notes in Mathematics*, 1363:1–7, 1989. CODEN LNMAA2. ISBN 3-540-50678-0 (print), 3-540-46069-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085268/>.

Casazza:1989:SFC

- [CS89i] Peter G. Casazza and Thaddeus J. Shura. Some final comments. *Lecture Notes in Mathematics*, 1363:119–120, 1989. CODEN LNMAA2. ISBN 3-540-50678-0 (print), 3-540-46069-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085279/>.

Casazza:1989:SUV

- [CS89j] Peter G. Casazza and Thaddeus J. Shura. Subsequences of the unit vector basis of Tsirelson's space. *Lecture Notes in Mathematics*, 1363:35–47, 1989. CODEN LNMAA2. ISBN 3-540-50678-0 (print), 3-540-46069-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085272/>.

Casazza:1989:UBC

- [CS89k] Peter G. Casazza and Thaddeus J. Shura. Unconditional bases for complemented subspaces of Tsirelson's space. *Lecture Notes in Mathematics*, 1363:82–94, 1989. CODEN LNMAA2. ISBN 3-540-50678-0 (print), 3-540-46069-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085277/>.

Casazza:1989:VT

- [CS89l] Peter G. Casazza and Thaddeus J. Shura. Variations on a theme. *Lecture Notes in Mathematics*, 1363:95–118, 1989. CODEN LNMAA2. ISBN 3-540-50678-0 (print), 3-540-46069-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085278/>.

Csorgo:1989:ESA

- [Cs89] Sándor Csörgő. An extreme-sum approximation to infinitely divisible laws without a normal component. *Lecture Notes in Mathematics*, 1391:47–58, 1989. CODEN LNMAA2. ISBN 3-540-51548-8 (print), 3-540-48244-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083379/>.

Carlson:1988:IMH

- [CT88] James A. Carlson and Domingo Toledo. Integral manifolds, harmonic mappings, and the Abelian subspace problem. *Lecture Notes in Mathematics*, 1352:60–74, 1988. CODEN LNMAA2. ISBN 3-540-50371-4 (print), 3-540-45994-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082017/>.

Cohen:1989:LIT

- [CT89] Ralph L. Cohen and Ulrike Tillmann. Lectures on immersion theory. *Lecture Notes in Mathematics*, 1369:71–124, 1989. CODEN

LNMAA2. ISBN 3-540-51037-0 (print), 3-540-46137-X (e-book).
ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087528/>.

Colliot-Thelene:1987:ASC

- [CTKS87] Jean-Louis Colliot-Thélène, Dimitri Kanevsky, and Jean-Jacques Sansuc. Arithmétique des surfaces cubiques diagonales. (French) []. *Lecture Notes in Mathematics*, 1290:1–108, 1987. CODEN LNMAA2. ISBN 3-540-18597-6 (print), 3-540-48023-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078705/>.

Curtis:1986:TTR

- [Cur86] Charles W. Curtis. Topics in the theory of representations of finite groups. *Lecture Notes in Mathematics*, 1185:58–87, 1986. CODEN LNMAA2. ISBN 3-540-16456-1 (print), 3-540-39793-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076171/>.

Cannarsa:1987:EUR

- [CV87] Piermarco Cannarsa and Vincenzo Vespri. Existence and uniqueness results for a non linear stochastic partial differential equation. *Lecture Notes in Mathematics*, 1236:1–24, 1987. CODEN LNMAA2. ISBN 3-540-17211-4 (print), 3-540-47408-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072880/>.

Cliff:1985:CPO

- [CW85] G. H. Cliff and A. R. Weiss. Crossed product orders and wild ramification. *Lecture Notes in Mathematics*, 1142:96–104, 1985. CODEN LNMAA2. ISBN 3-540-15674-7 (print), 3-540-39601-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074794/>.

Cerin:1987:BFP

- [ČW87] Z. Čerin and T. Watanabe. Borsuk fixed point theorem for multi-valued maps. *Lecture Notes in Mathematics*, 1283:30–37, 1987. CODEN LNMAA2. ISBN 3-540-18443-0 (print), 3-540-47975-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081415/>.

Cazenave:1989:SRN

- [CW89] Thierry Cazenave and Fred B. Weissler. Some remarks on the nonlinear Schrödinger equation in the critical case. *Lecture Notes in Mathematics*, 1394:18–29, 1989. CODEN LNMAA2. ISBN 3-540-51594-1 (print), 3-540-46679-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086749/>.

Ye:1986:FCI

- [cY86] Jia chen Ye. On the first Cartan invariant of the groups $SL(3, p^n)$ and $SU(3, p^n)$. *Lecture Notes in Mathematics*, 1185:388–400, 1986. CODEN LNMAA2. ISBN 3-540-16456-1 (print), 3-540-39793-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076185/>.

Cermak:1986:FES

- [ČZ86] L. Čermák and M. Zlámal. Finite element solution of a nonlinear diffusion problem with a moving boundary. *Lecture Notes in Mathematics*, 1192:291–294, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076083/>.

DaPrato:1985:SRS

- [Da 85] G. Da Prato. Some results on stationary Bellman equation in Hilbert spaces. *Lecture Notes in Mathematics*, 1119:32–51, 1985. CODEN LNMAA2. ISBN 3-540-15217-2 (print), 3-540-39365-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074779/>.

D'Antoni:1985:NPS

- [D'A85a] C. D'Antoni. Normal product states and nuclearity: New aspects of algebraic quantum field theory. *Lecture Notes in Mathematics*, 1136:143–150, 1985. CODEN LNMAA2. ISBN 3-540-15661-5 (print), 3-540-39570-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074468/>.

deAcosta:1985:LDS

- [dA85b] A. de Acosta. On large deviations of sums of independent random vectors. *Lecture Notes in Mathematics*, 1153:1–14, 1985. CODEN LNMAA2. ISBN 3-540-15704-2 (print), 3-540-39645-4 (e-book).

ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074942/>.

D'Angelo:1987:FTC

- [D'A87a] John P. D'Angelo. Finite-type conditions for real hypersurfaces in \mathbf{C}^n . *Lecture Notes in Mathematics*, 1268:83–102, 1987. CODEN LNMAA2. ISBN 3-540-18094-X (print), 3-540-47752-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097298/>.

D'Angelo:1987:ICD

- [D'A87b] John P. D'Angelo. Iterated commutators and derivatives of the Levi form. *Lecture Notes in Mathematics*, 1268:103–110, 1987. CODEN LNMAA2. ISBN 3-540-18094-X (print), 3-540-47752-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097299/>.

DalMaso:1986:CUC

- [Dal86] G. Dal Maso. Convergence of unilateral convex sets. *Lecture Notes in Mathematics*, 1190:181–190, 1986. CODEN LNMAA2. ISBN 3-540-16476-6 (print), 3-540-39817-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076706/>.

Daoudi:1989:EFG

- [Dao89] A. Daoudi. Étude de fonctions de Green associées à des opérateurs elliptiques à coefficients complexes. (French) []. *Lecture Notes in Mathematics*, 1393:58–71, 1989. CODEN LNMAA2. ISBN 3-540-51592-5 (print), 3-540-46675-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085771/>.

Daubechies:1987:DSC

- [Dau87] Ingrid Daubechies. Discrete sets of coherent states and their use in signal analysis. *Lecture Notes in Mathematics*, 1285:73–82, 1987. CODEN LNMAA2. ISBN 3-540-18479-1 (print), 3-540-47983-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080582/>.

Dauge:1988:FSF

- [Dau88a] Monique Dauge. Fredholm and semi-Fredholm results. *Lecture Notes in Mathematics*, 1341:26–57, 1988. CODEN LNMAA2. ISBN 3-540-50169-X (print), 3-540-45942-1 (e-book).

ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086685/>.

Dauge:1988:I

- [Dau88b] Monique Dauge. Introduction. *Lecture Notes in Mathematics*, 1341:2–7, 1988. CODEN LNMAA2. ISBN 3-540-50169-X (print), 3-540-45942-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086683/>.

Dauge:1988:LO

- [Dau88c] Monique Dauge. Laplace operator. *Lecture Notes in Mathematics*, 1341:153–170, 1988. CODEN LNMAA2. ISBN 3-540-50169-X (print), 3-540-45942-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086689/>.

Dauge:1988:Pa

- [Dau88d] Monique Dauge. Preliminaries. *Lecture Notes in Mathematics*, 1341:8–24, 1988. CODEN LNMAA2. ISBN 3-540-50169-X (print), 3-540-45942-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086684/>.

Dauge:1988:Pb

- [Dau88e] Monique Dauge. Proofs. *Lecture Notes in Mathematics*, 1341:58–103, 1988. CODEN LNMAA2. ISBN 3-540-50169-X (print), 3-540-45942-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086686/>.

Dauge:1988:SAE

- [Dau88f] Monique Dauge. Singularities along the edges. *Lecture Notes in Mathematics*, 1341:128–152, 1988. CODEN LNMAA2. ISBN 3-540-50169-X (print), 3-540-45942-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086688/>.

Dauge:1988:TDD

- [Dau88g] Monique Dauge. Two-dimensional domains. *Lecture Notes in Mathematics*, 1341:104–127, 1988. CODEN LNMAA2. ISBN 3-540-50169-X (print), 3-540-45942-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086687/>.

Dauge:1988:VBVb

- [Dau88h] Monique Dauge. Variational boundary value problems on polyhedral domains. *Lecture Notes in Mathematics*, 1341:186–212, 1988. CODEN LNMAA2. ISBN 3-540-50169-X (print), 3-540-45942-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086691/>.

Dauge:1988:VBVa

- [Dau88i] Monique Dauge. Variational boundary value problems on smooth domains. *Lecture Notes in Mathematics*, 1341:172–185, 1988. CODEN LNMAA2. ISBN 3-540-50169-X (print), 3-540-45942-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086690/>.

Davie:1985:MNR

- [Dav85a] A. M. Davie. Matrix norms related to Grothendieck’s inequality. *Lecture Notes in Mathematics*, 1166:22–26, 1985. CODEN LNMAA2. ISBN 3-540-16051-5 (print), 3-540-39736-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074689/>.

Davis:1985:HDA

- [Dav85b] James F. Davis. Higher diagonal approximations and skeletons of $K(\pi, l)$ ’s. *Lecture Notes in Mathematics*, 1126:51–61, 1985. CODEN LNMAA2. ISBN 3-540-15235-0 (print), 3-540-39413-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074438/>.

Daverman:1987:ICA

- [Dav87a] Robert J. Daverman. The intimate connections among decomposition theory, embedding theory, and manifold structure theory. *Lecture Notes in Mathematics*, 1283:43–47, 1987. CODEN LNMAA2. ISBN 3-540-18443-0 (print), 3-540-47975-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081417/>.

Davies:1987:BMC

- [Dav87b] Ian M. Davies. A “Brownian motion” with constant speed. *Lecture Notes in Mathematics*, 1250:31–35, 1987. CODEN LNMAA2. ISBN 3-540-17797-3 (print), 3-540-47835-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077346/>.

Davis:1987:BYI

- [Dav87c] Burgess Davis. On the Barlow–Yor inequalities for local time. *Lecture Notes in Mathematics*, 1247:218–220, 1987. CODEN LNMAA2. ISBN 3-540-17768-X (print), 3-540-47814-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077636/>.

Davis:1987:BAS

- [Dav87d] Donald M. Davis. The Bo–Adams spectral sequence: Some calculations and a proof of its vanishing line. *Lecture Notes in Mathematics*, 1286:267–285, 1987. CODEN LNMAA2. ISBN 3-540-18481-3 (print), 3-540-47986-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078745/>.

David:1989:SIS

- [Dav89] Guy David. Singular integrals on surfaces. *Lecture Notes in Mathematics*, 1384:159–167, 1989. CODEN LNMAA2. ISBN 3-540-51460-0 (print), 3-540-48134-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086800/>.

Dawson:1986:MVP

- [Daw86a] Donald Dawson. Measure-valued processes construction, qualitative behavior and stochastic geometry. *Lecture Notes in Mathematics*, 1212:69–93, 1986. CODEN LNMAA2. ISBN 3-540-16803-6 (print), 3-540-47053-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076239/>.

Dawson:1986:SEH

- [Daw86b] Donald Dawson. Stochastic ensembles and hierarchies. *Lecture Notes in Mathematics*, 1203:20–37, 1986. CODEN LNMAA2. ISBN 3-540-16773-0 (print), 3-540-39852-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076870/>.

Day:1985:SIR

- [Day85] Alan Day. Some independence results in the co-ordinization of Arguesian lattices. *Lecture Notes in Mathematics*, 1149:37–45, 1985. CODEN LNMAA2. ISBN 3-540-15691-7 (print), 3-540-39638-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098454/>.

deBruin:1985:SPA

- [dB85] Marcel G. de Bruin. Simultaneous Padé approximation and orthogonality. *Lecture Notes in Mathematics*, 1171:74–83, 1985. CODEN LNMAA2. ISBN 3-540-16059-0 (print), 3-540-39743-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076532/>.

DeFacio:1987:IUS

- [DB87] B. DeFacio and O. Brander. Information, uncertainty and the singular value decomposition of the filtered Fourier transformation. *Lecture Notes in Mathematics*, 1285:83–90, 1987. CODEN LNMAA2. ISBN 3-540-18479-1 (print), 3-540-47983-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080583/>.

deBruin:1987:MGC

- [dBJ87] Marcel G. de Bruin and Lisa Jacobsen. Modification of generalised continued fractions. I. Definition and application to the limit-periodic case. *Lecture Notes in Mathematics*, 1237:161–176, 1987. CODEN LNMAA2. ISBN 3-540-17212-2 (print), 3-540-47412-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072462/>.

deChavez:1985:CMF

- [dC85a] J. Ruíz de Chávez. Compensation multiplicative et «produits de Wick». (French) []. *Lecture Notes in Mathematics*, 1123:242–247, 1985. CODEN LNMAA2. ISBN 3-540-15230-X (print), 3-540-39397-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075853/>.

deChavez:1985:EFP

- [dC85b] J. Ruíz de Chávez. Espaces de Fock pour les processus de Wiener et de Poisson. (French) []. *Lecture Notes in Mathematics*, 1123:230–241, 1985. CODEN LNMAA2. ISBN 3-540-15230-X (print), 3-540-39397-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075852/>.

deChavez:1985:ISM

- [dC85c] J. Ruíz de Chávez. Sur les intégrales stochastiques multiples. (French) []. *Lecture Notes in Mathematics*, 1123:248–257, 1985.

CODEN LNMAA2. ISBN 3-540-15230-X (print), 3-540-39397-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075854/>.

deChavez:1986:PCO

- [dC86] J. Ruíz de Chávez. Sur la positivité de certains opérateurs. (French) []. *Lecture Notes in Mathematics*, 1204:338–340, 1986. CODEN LNMAA2. ISBN 3-540-16779-X (print), 3-540-39860-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075725/>.

deChavez:1988:RPD

- [dC88] Juan Ruíz de Chávez. Une remarque sur les processus de Dirichlet forts. (French) []. *Lecture Notes in Mathematics*, 1321:85, 1988. CODEN LNMAA2. ISBN 3-540-19351-0 (print), 3-540-39228-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084121>.

doCarmo:1989:HCM

- [dC89] Manfredo P. do Carmo. Hypersurfaces of constant mean curvature. *Lecture Notes in Mathematics*, 1410:128–144, 1989. CODEN LNMAA2. ISBN 3-540-51885-1 (print), 3-540-46858-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086419/>.

Dajczer:1985:ECN

- [DD85] Marcos Dajczer and Peter Dombrowski. Examples of 1-codimensional non totally geodesic isometric immersions of pseudo-Riemannian space forms with the same positive constant curvature and the same space-like rank. *Lecture Notes in Mathematics*, 1156:59–73, 1985. CODEN LNMAA2. ISBN 3-540-15994-0 (print), 3-540-39698-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075086/>.

Doss:1986:EGD

- [DD86] H. Doss and M. Dozzi. Estimations de grandes déviations pour les processus de diffusion à paramètre multidimensionnel. (French) []. *Lecture Notes in Mathematics*, 1204:68–80, 1986. CODEN LNMAA2. ISBN 3-540-16779-X (print), 3-540-39860-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075713/>.

Destuynder:1985:NMF

- [DDL85] P. Destuynder, M. Djaoua, and S. Lescure. On a numerical method for fracture mechanics. *Lecture Notes in Mathematics*, 1121:69–84, 1985. CODEN LNMAA2. ISBN 3-540-15219-9 (print), 3-540-39377-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076263/>.

deLaPradelle:1989:PGO

- [de 89] A. de La Pradelle. Potentiels de Green sur les ouverts fins. (French) []. *Lecture Notes in Mathematics*, 1393:202–215, 1989. CODEN LNMAA2. ISBN 3-540-51592-5 (print), 3-540-46675-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085781/>.

Debiard:1987:SDH

- [Deb87] Amédée Debiard. Système différentiel hypergéométrique et parties radiales des opérateurs invariants des espaces symétriques de type BC_p . (French) []. *Lecture Notes in Mathematics*, 1296:42–124, 1987. CODEN LNMAA2. ISBN 3-540-18690-5 (print), 3-540-48081-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078523/>.

Debarre:1989:DED

- [Deb89] Olivier Debarre. Une démonstration élémentaire du théorème de Torelli pour les intersections de trois quadriques génériques de dimension impaire. (French) [An elementary proof of the theorem of Torelli to the intersections of three quadrics of generic odd dimension]. *Lecture Notes in Mathematics*, 1399:40–47, 1989. CODEN LNMAA2. ISBN 3-540-51729-4 (print), 3-540-46791-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0095967/>.

Dechevski:1988:MI

- [Dec88] L. T. Dechevski. τ -Moduli and interpolation. *Lecture Notes in Mathematics*, 1302:177–190, 1988. CODEN LNMAA2. ISBN 3-540-18905-X (print), 3-540-38841-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078874/>.

Deheuvels:1989: AAC

- [Deh89] René Deheuvels. Une application des algèbres de Clifford. (French) []. *Lecture Notes in Mathematics*, 1410:108–120, 1989. CODEN LNMAA2. ISBN 3-540-51885-1 (print), 3-540-46858-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086417/>.

Dellacherie:1985: QRM

- [Del85] C. Dellacherie. Quelques résultats sur les maisons de jeux analytiques. (French) []. *Lecture Notes in Mathematics*, 1123:222–229, 1985. CODEN LNMAA2. ISBN 3-540-15230-X (print), 3-540-39397-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075851/>.

DellAntonio:1986: EFE

- [Del86] G. F. Dell’Antonio. Electric field and effective dielectric constant in random media with non-linear response. *Lecture Notes in Mathematics*, 1158:81–103, 1986. CODEN LNMAA2. ISBN 3-540-15998-3 (print), 3-540-39703-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080210/>.

Delaporte:1988: CCT

- [Del88] Jacques Delaporte. Convoluteurs continus et topologie stricte. (French) []. *Lecture Notes in Mathematics*, 1359:135–141, 1988. CODEN LNMAA2. ISBN 3-540-50524-5 (print), 3-540-46032-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086594/>.

Dellacherie:1989: CNP

- [Del89] C. Dellacherie. Sur la caractérisation des noyaux potentiels. (French) []. *Lecture Notes in Mathematics*, 1393:78–95, 1989. CODEN LNMAA2. ISBN 3-540-51592-5 (print), 3-540-46675-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085773/>.

Demailly:1986: IBK

- [Dem86a] Jean-Pierre Demailly. Sur l’identité de Bochner–Kodaira–Nakano en géométrie hermitienne. (French) []. *Lecture Notes in Mathematics*, 1198:88–97, 1986. CODEN LNMAA2. ISBN 3-540-16762-5

(print), 3-540-38729-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077045/>.

Demailly:1986:EFH

- [Dem86b] Jean-Pierre Demailly. Un exemple de fibré holomorphe non de Stein à fibre \mathbf{C}^2 au-dessus du disque ou du plan. (French) []. *Lecture Notes in Mathematics*, 1198:98–104, 1986. CODEN LNMAA2. ISBN 3-540-16762-5 (print), 3-540-38729-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077046/>.

Demailly:1987:TAF

- [Dem87a] Jean-Pierre Demailly. Sur les théorèmes d’annulation et de finitude de T. Ohsawa et O. Abdelkader. (French) []. *Lecture Notes in Mathematics*, 1295:48–58, 1987. CODEN LNMAA2. ISBN 3-540-18691-3 (print), 3-540-48084-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081977/>.

Demailly:1987:PSC

- [Dem87b] Jean-Pierre Demailly. Une preuve simple de la conjecture de Grauert–Riemenschneider. (French) []. *Lecture Notes in Mathematics*, 1295:24–47, 1987. CODEN LNMAA2. ISBN 3-540-18691-3 (print), 3-540-48084-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081976/>.

Demailly:1988:VTT

- [Dem88] Jean-Pierre Demailly. Vanishing theorems for tensor powers of a positive vector bundle. *Lecture Notes in Mathematics*, 1339:86–105, 1988. CODEN LNMAA2. ISBN 3-540-50113-4 (print), 3-540-45930-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083049/>.

Denkowska:1986:PTS

- [Den86] Z. Denkowska. Une présentation de la théorie des sous-analytiques sans désingularisation. (French) []. *Lecture Notes in Mathematics*, 1198:105–116, 1986. CODEN LNMAA2. ISBN 3-540-16762-5 (print), 3-540-38729-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077047/>.

Derighetti:1988:CPF

- [Der88] Antoine Derighetti. Convoluteurs et projecteurs. (French) []. *Lecture Notes in Mathematics*, 1359:142–158, 1988. CODEN LNMAA2. ISBN 3-540-50524-5 (print), 3-540-46032-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086595/>.

Derighetti:1989:PIC

- [Der89] Antoine Derighetti. À propos de l'induction des convoluteurs. (French) []. *Lecture Notes in Mathematics*, 1379:50–63, 1989. CODEN LNMAA2. ISBN 3-540-51401-5 (print), 3-540-46206-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087844/>.

Desrochers:1985:SDM

- [Des85] Maryse Desrochers. Self-duality over the maximal order and torsion Galois modules. *Lecture Notes in Mathematics*, 1142:105–111, 1985. CODEN LNMAA2. ISBN 3-540-15674-7 (print), 3-540-39601-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074795/>.

Desarmenien:1986:FSS

- [DF86a] Jacques Désarménien and Dominique Foata. Fonctions symétriques et séries hypergéométriques basiques multivariées, II. (French) []. *Lecture Notes in Mathematics*, 1234:68–90, 1986. CODEN LNMAA2. ISBN 3-540-17207-6 (print), 3-540-47402-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072510/>.

Descloux:1986:ATM

- [DF86b] J. Descloux and R. Ferro. Analysis of Thacker's method for solving the linearized shallow water equations. *Lecture Notes in Mathematics*, 1192:295–302, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076084/>.

Dolcetta:1985:RMM

- [DFZ85] Italo Capuzzo Dolcetta, Wendell H. Fleming, and Tullio Zolezzi, editors. *Recent Mathematical Methods in Dynamic Programming: Proceedings of the Conference held in Rome, Italy, March*

26–28, 1984, volume 1119 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15217-2 (print), 3-540-39365-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1119. URL <http://link.springer.com/book/10.1007/BFb0074776>; <http://www.springerlink.com/content/978-3-540-39365-8>.

deGraaf:1985:TSG

- [dG85] J. de Graaf. Two spaces of generalized functions based on harmonic polynomials. *Lecture Notes in Mathematics*, 1171:164–173, 1985. CODEN LNMAA2. ISBN 3-540-16059-0 (print), 3-540-39743-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076541/>.

Dore:1986:SNA

- [DG86a] Giovanni Dore and Davide Guidetti. On a singular non-autonomous equation in Banach spaces. *Lecture Notes in Mathematics*, 1223:92–101, 1986. CODEN LNMAA2. ISBN 3-540-17191-6 (print), 3-540-47350-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099185/>.

Durr:1986:RCL

- [DG86b] Detlef Dürr and Sheldon Goldstein. Remarks on the central limit theorem for weakly dependent random variables. *Lecture Notes in Mathematics*, 1158:104–118, 1986. CODEN LNMAA2. ISBN 3-540-15998-3 (print), 3-540-39703-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080211/>.

Dawson:1989:GSS

- [DG89] Donald A. Dawson and Luis G. Gorostiza. Generalized solutions of stochastic evolution equations. *Lecture Notes in Mathematics*, 1390:53–65, 1989. CODEN LNMAA2. ISBN 3-540-51510-0 (print), 3-540-48200-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083936/>.

Dlab:1986:RTF

- [DGM86a] Vlastimil Dlab, Peter Gabriel, and Gerhard Michler, editors. *Representation Theory I Finite Dimensional Algebras: Proceedings of*

the Fourth International Conference on Representations of Algebras held in Ottawa, Canada, August 16–25, 1984, volume 1177 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16432-4 (print), 3-540-39776-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1177. URL <http://link.springer.com/book/10.1007/BFb0075254>; <http://www.springerlink.com/content/978-3-540-39776-2>.

Dlab:1986:RTI

- [DGM86b] Vlastimil Dlab, Peter Gabriel, and Gerhard Michler, editors. *Representation Theory II Groups and Orders: Proceedings of the Fourth International Conference on Representations of Algebras held in Ottawa, Canada, August 16–25, 1984*, volume 1178 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16433-2 (print), 3-540-39777-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1178. URL <http://link.springer.com/book/10.1007/BFb0075286>; <http://www.springerlink.com/content/978-3-540-39777-9>.

Dahmen:1988:LSI

- [DGM88] W. Dahmen, T. N. T. Goodman, and Charles A. Micchelli. Local spline interpolation schemes in one and several variables. *Lecture Notes in Mathematics*, 1354:11–24, 1988. CODEN LNMAA2. ISBN 3-540-50443-5 (print), 3-540-46005-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089580/>.

DeBruin:1987:SBZ

- [DGR87] M. G. De Bruin, J. Gilewicz, and H.-J. Runckel. A survey of bounds for the zeros of analytic functions obtained by continued fraction methods. *Lecture Notes in Mathematics*, 1237:1–23, 1987. CODEN LNMAA2. ISBN 3-540-17212-2 (print), 3-540-47412-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072450/>.

Diamond:1985:CS

- [DH85a] H. Diamond and H. Halberstam. The combinatorial sieve. *Lecture Notes in Mathematics*, 1122:63–73, 1985. CODEN LNMAA2. ISBN 3-540-15222-9 (print), 3-540-39642-X (e-book).

ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075751/>.

Doebner:1985:DGM

- [DH85b] Heinz-Dietrich Doebner and Jörg-Dieter Hennig, editors. *Differential Geometric Methods in Mathematical Physics: Proceedings of an International Conference Held at the Technical University of Clausthal, FRG, August 30–September 2, 1983*, volume 1139 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15666-6 (print), 3-540-39585-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3.L28 no. 1139. URL <http://link.springer.com/book/10.1007/BFb0074572>; <http://www.springerlink.com/content/978-3-540-39585-0>.

DeMeyer:1986:SRW

- [DH86] F. R. DeMeyer and D. Hardy. Semigroup rings which are separable algebras. *Lecture Notes in Mathematics*, 1197:51–59, 1986. CODEN LNMAA2. ISBN 3-540-16496-0 (print), 3-540-39833-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076312/>.

Diaz:1988:GSV

- [DH88] Steven Diaz and Joe Harris. Geometry of Severi varieties, II: Independence of divisor classes and examples. *Lecture Notes in Mathematics*, 1311:23–50, 1988. CODEN LNMAA2. ISBN 3-540-19236-0 (print), 3-540-39157-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082907/>.

Davis:1989:AMS

- [DH89] Michael W. Davis and Jean-Claude Hausmann. Aspherical manifolds without smooth or PL structure. *Lecture Notes in Mathematics*, 1370:135–142, 1989. CODEN LNMAA2. ISBN 3-540-51118-0 (print), 3-540-46160-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085224/>.

Dhooghe:1985:CIS

- [Dho85] P. F. Dhooghe. Completely integrable systems of KdV-type related to isospectral periodic regular difference operators. *Lecture Notes in Mathematics*, 1139:236–252, 1985. CODEN LNMAA2. ISBN 3-540-15666-6 (print), 3-540-39585-7 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074587/>.

Doebner:1985:WSM

- [DHS85] H.-D. Doebner, J. D. Hennig, and I. E. Segal. The work of Steven M. Paneitz. *Lecture Notes in Mathematics*, 1139:1–5, 1985. CODEN LNMAA2. ISBN 3-540-15666-6 (print), 3-540-39585-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074573/>.

DiPrisco:1985:MML

- [Di 85] Carlos Augusto Di Prisco, editor. *Methods in Mathematical Logic: Proceedings of the 6th Latin American Symposium on Mathematical Logic held in Caracas, Venezuela August 1–6, 1983*, volume 1130 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15236-9 (print), 3-540-39414-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1130. URL <http://link.springer.com/book/10.1007/BFb0075303>; <http://www.springerlink.com/content/978-3-540-39414-3>.

DiBlasio:1986:CSP

- [Di 86] G. Di Blasio. On a class of semilinear parabolic equations in L^1 . *Lecture Notes in Mathematics*, 1223:74–91, 1986. CODEN LNMAA2. ISBN 3-540-17191-6 (print), 3-540-47350-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099184/>.

Diaconis:1988:ANC

- [Dia88] Persi Diaconis. Applications of non-commutative Fourier analysis to probability problems. *Lecture Notes in Mathematics*, 1362:51–100, 1988. CODEN LNMAA2. ISBN 3-540-50549-0 (print), 3-540-46042-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086179/>.

Dickmann:1985:AMT

- [Dic85] M. A. Dickmann. Applications of model theory to real algebraic geometry. *Lecture Notes in Mathematics*, 1130:76–150, 1985. CODEN LNMAA2. ISBN 3-540-15236-9 (print), 3-540-39414-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075308/>.

Dicks:1988:SRW

- [Dic88] Warren Dicks. A survey of recent work on the cohomology of one-relator associative algebras. *Lecture Notes in Mathematics*, 1328: 75–81, 1988. CODEN LNMAA2. ISBN 3-540-19474-6 (print), 3-540-39278-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100917/>.

Dieterich:1985:RTG

- [Die85a] Ernst Dieterich. Representation types of group rings over complete discrete valuation rings II. *Lecture Notes in Mathematics*, 1142:112–125, 1985. CODEN LNMAA2. ISBN 3-540-15674-7 (print), 3-540-39601-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074796/>.

Dieudonne:1985:FCP

- [Die85b] J. Dieudonné. Fractions continuées et polynômes orthogonaux dans l'oeuvre de E. N. Laguerre. (French) []. *Lecture Notes in Mathematics*, 1171:1–15, 1985. CODEN LNMAA2. ISBN 3-540-16059-0 (print), 3-540-39743-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076528/>.

Diers:1986:CBSa

- [Die86a] Yves Diers. Categories of Boolean sheaves of algebras. *Lecture Notes in Mathematics*, 1187:19–47, 1986. CODEN LNMAA2. ISBN 3-540-16459-6 (print), 3-540-39796-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075889/>.

Diers:1986:CBSb

- [Die86b] Yves Diers. Categories of Boolean sheaves of simple algebras. *Lecture Notes in Mathematics*, 1187:48–113, 1986. CODEN LNMAA2. ISBN 3-540-16459-6 (print), 3-540-39796-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075890/>.

Diers:1986:CBSc

- [Die86c] Yves Diers. *Categories of Boolean Sheaves of Simple Algebras*, volume 1187 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK /

etc., 1986. CODEN LNMAA2. ISBN 3-540-16459-6 (print), 3-540-39796-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). vi + 168 pp. LCCN QA3 .L28 no. 1187. URL <http://link.springer.com/book/10.1007/BFb0075887>; <http://www.springerlink.com/content/978-3-540-39796-0>.

Diers:1986:CLB

- [Die86d] Yves Diers. Categories of locally Boolean sheaves of simple algebras. *Lecture Notes in Mathematics*, 1187:114–160, 1986. CODEN LNMAA2. ISBN 3-540-16459-6 (print), 3-540-39796-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075891/>.

Diers:1986:I

- [Die86e] Yves Diers. Introduction. *Lecture Notes in Mathematics*, 1187:1–18, 1986. CODEN LNMAA2. ISBN 3-540-16459-6 (print), 3-540-39796-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075888/>.

Dieterich:1987:ARQ

- [Die87] Ernst Dieterich. The Auslander–Reiten quiver of an isolated singularity. *Lecture Notes in Mathematics*, 1273:244–264, 1987. CODEN LNMAA2. ISBN 3-540-18263-2 (print), 3-540-47851-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078848/>.

Dierkes:1988:GMP

- [Die88a] Ulrich Dierkes. A geometric maximum principle, Plateau’s problem for surfaces of prescribed mean curvature, and the two dimensional analogue of the catenary. *Lecture Notes in Mathematics*, 1357:116–141, 1988. CODEN LNMAA2. ISBN 3-540-50508-3 (print), 3-540-46024-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082864/>.

Diers:1988:LHC

- [Die88b] Yves Diers. Locally Hilbert categories. *Lecture Notes in Mathematics*, 1348:87–101, 1988. CODEN LNMAA2. ISBN 3-540-50362-5 (print), 3-540-45985-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081350/>.

Din:1985:NLT

- [Din85a] Allan M. Din. Non-linear techniques in two dimensional Grassmannian sigma models. *Lecture Notes in Mathematics*, 1139:253–262, 1985. CODEN LNMAA2. ISBN 3-540-15666-6 (print), 3-540-39585-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074588/>.

Dinculeanu:1985:CWC

- [Din85b] Nicolae Dinculeanu. Characterization of weak compactness in function spaces by means of uniform convergence of extended operators. *Lecture Notes in Mathematics*, 1166:27–37, 1985. CODEN LNMAA2. ISBN 3-540-16051-5 (print), 3-540-39736-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074690/>.

DiPerna:1987:NCS

- [DiP87] Ronald J. DiPerna. Nonlinear conservative systems. *Lecture Notes in Mathematics*, 1285:99–109, 1987. CODEN LNMAA2. ISBN 3-540-18479-1 (print), 3-540-47983-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080585/>.

Dixmier:1985:QRC

- [Dix85] J. Dixmier. Quelques résultats et conjectures concernant les séries de Poincaré des invariants des formes binaires. (French) []. *Lecture Notes in Mathematics*, 1146:127–160, 1985. CODEN LNMAA2. ISBN 3-540-15686-0 (print), 3-540-39628-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074537/>.

Delfs:1985:BD

- [DK85a] Hans Delfs and Manfred Knebusch. The basic definitions. *Lecture Notes in Mathematics*, 1173:1–86, 1985. CODEN LNMAA2. ISBN 3-540-16060-4 (print), 3-540-39744-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074552/>.

Delfs:1985:CT

- [DK85b] Hans Delfs and Manfred Knebusch. Completions and triangulations. *Lecture Notes in Mathematics*, 1173:87–225, 1985. CODEN LNMAA2. ISBN 3-540-16060-4 (print), 3-540-39744-2 (e-book).

ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074553/>.

Delfs:1985:H

- [DK85c] Hans Delfs and Manfred Knebusch. Homotopies. *Lecture Notes in Mathematics*, 1173:226–294, 1985. CODEN LNMAA2. ISBN 3-540-16060-4 (print), 3-540-39744-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074554/>.

Delfs:1985:LSS

- [DK85d] Hans Delfs and Manfred Knebusch. *Locally Semialgebraic Spaces*, volume 1173 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-16060-4 (print), 3-540-39744-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). xvi + 329 pp. LCCN QA3 .L28 no. 1173. URL [http://link.springer.com/book/10.1007/BFb0074551](http://link.springer.com/book/10.1007/BFb0074551;); <http://www.springerlink.com/content/978-3-540-39744-1>.

Demlova:1988:MCC

- [DK88a] Marie Demlová and Václav Koubek. Minimal congruences and coextensions in semigroups. *Lecture Notes in Mathematics*, 1320:28–83, 1988. CODEN LNMAA2. ISBN 3-540-19347-2 (print), 3-540-39225-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083422/>.

Devaney:1988:DMC

- [DK88b] Robert L. Devaney and Linda Keen. Dynamics of maps with constant Schwarzian derivative. *Lecture Notes in Mathematics*, 1351:93–100, 1988. CODEN LNMAA2. ISBN 3-540-50370-6 (print), 3-540-45992-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081245/>.

Devaney:1988:DT

- [DK88c] Robert L. Devaney and Linda Keen. Dynamics of tangent. *Lecture Notes in Mathematics*, 1342:105–111, 1988. CODEN LNMAA2. ISBN 3-540-50174-6 (print), 3-540-45946-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082826/>.

Dwyer:1989:HSC

- [DK89] W. G. Dwyer and D. M. Kan. Homology with simplicial coefficients. *Lecture Notes in Mathematics*, 1370:143–149, 1989. CODEN LNMAA2. ISBN 3-540-51118-0 (print), 3-540-46160-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085225/>.

DeVore:1988:PBT

- [DKL88] R. A. DeVore, H. Kierstead, and G. G. Lorentz. A proof of Borsuk's theorem. *Lecture Notes in Mathematics*, 1332:195–202, 1988. CODEN LNMAA2. ISBN 3-540-50018-9 (print), 3-540-45892-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081621/>.

DaPrato:1986:PSL

- [DL86a] Giuseppe Da Prato and Alessandra Lunardi. Periodic solutions for linear integrodifferential equations with infinite delay in Banach spaces. *Lecture Notes in Mathematics*, 1223:49–60, 1986. CODEN LNMAA2. ISBN 3-540-17191-6 (print), 3-540-47350-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099182/>.

Doukhan:1986:IPE

- [DL86b] P. Doukhan and J. R. León. Invariance principles for the empirical measure of a mixing sequence and for the local time of Markov processes. *Lecture Notes in Mathematics*, 1193:4–21, 1986. CODEN LNMAA2. ISBN 3-540-16487-1 (print), 3-540-39826-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077096/>.

Daru:1987:ICS

- [DL87] Virginie Daru and Alain Lerat. An implicit centered scheme which gives non-oscillatory steady shocks. *Lecture Notes in Mathematics*, 1270:115–127, 1987. CODEN LNMAA2. ISBN 3-540-18200-4 (print), 3-540-47805-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078321/>.

Darling:1988:SEI

- [DL88] R. W. R. Darling and Yves Le Jan. The statistical equilibrium of an isotropic stochastic flow with negative Lyapounov exponents is trivial. *Lecture Notes in Mathematics*, 1321:175–185, 1988.

CODEN LNMAA2. ISBN 3-540-19351-0 (print), 3-540-39228-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084135/>.

DeVore:1989:HOR

- [DL89] Ronald A. DeVore and Bradley J. Lucier. High order regularity for solutions of the inviscid Burgers equation. *Lecture Notes in Mathematics*, 1402:147–154, 1989. CODEN LNMAA2. ISBN 3-540-51746-4 (print), 3-540-46800-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083873/>.

Dijksma:1987:UCK

- [DLdS87] Aad Dijksma, Heinz Langer, and Henk de Snoo. Unitary colligations in Krein spaces and their role in the extension theory of isometries and symmetric linear relations in Hilbert spaces. *Lecture Notes in Mathematics*, 1242:1–42, 1987. CODEN LNMAA2. ISBN 3-540-17833-3 (print), 3-540-47876-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072441/>.

delaHarpe:1985:RAD

- [dlH85] Pierre de la Harpe. Reduced C^* -algebras of discrete groups which are simple with a unique trace. *Lecture Notes in Mathematics*, 1132:230–253, 1985. CODEN LNMAA2. ISBN 3-540-15643-7 (print), 3-540-39514-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074887/>.

delaPradelle:1987:SRF

- [dlP87a] A. de la Pradelle. Sur la subordination des résolvantes. (French) []. *Lecture Notes in Mathematics*, 1235:141–154, 1987. CODEN LNMAA2. ISBN 3-540-17210-6 (print), 3-540-47406-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072754/>. See erratum and addendum [dlP89].

delaPradelle:1987:RCP

- [dlP87b] Arnaud de la Pradelle. Résolvantes complexes et potentiels intrinsèques. (French) []. *Lecture Notes in Mathematics*, 1235:155–171, 1987. CODEN LNMAA2. ISBN 3-540-17210-6 (print), 3-540-47406-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (elec-

tronic). URL <http://link.springer.com/chapter/10.1007/BFb0072755/>.

de la Pradelle:1989:EAS

- [dLP89] A. de la Pradelle. Erratum et addendum à ‘Sur la subordination des Résolvantes’ ‘Résolvantes complexes et potentiels intrinsèques’. (French) []. *Lecture Notes in Mathematics*, 1393:196–201, 1989. CODEN LNMAA2. ISBN 3-540-51592-5 (print), 3-540-46675-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085780/>. See [dLP87a].

d’Humières:1989:RFS

- [dLQ89] D. d’Humières, P. Lallemand, and Y. H. Qian. Review of flow simulations using lattice gases. *Lecture Notes in Mathematics*, 1402:56–68, 1989. CODEN LNMAA2. ISBN 3-540-51746-4 (print), 3-540-46800-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083868/>.

Duflot:1985:PA

- [DLS85] Jeanne Duflot, Peter S. Landweber, and Robert E. Stong. A problem of Adams on $H^*(BG; Z_p)$. *Lecture Notes in Mathematics*, 1172:73–79, 1985. CODEN LNMAA2. ISBN 3-540-16061-2 (print), 3-540-39745-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074424/>.

Dowbor:1986:GCA

- [DLS86] Piotr Dowbor, Helmut Lenzing, and Andrzej Skowroński. Galois coverings of algebras by locally support-finite categories. *Lecture Notes in Mathematics*, 1177:91–93, 1986. CODEN LNMAA2. ISBN 3-540-16432-4 (print), 3-540-39776-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075260/>.

DeMeyer:1985:SG

- [DM85a] Frank De Meyer and Richard Mollin. The Schur group. *Lecture Notes in Mathematics*, 1142:205–210, 1985. CODEN LNMAA2. ISBN 3-540-15674-7 (print), 3-540-39601-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074802/>.

DiPrisco:1985:S

- [DM85b] Carlos A. Di Prisco and Wiktor Marek. On the space $(\lambda)^\kappa$. *Lecture Notes in Mathematics*, 1130:151–156, 1985. CODEN LNMAA2. ISBN 3-540-15236-9 (print), 3-540-39414-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075309/>.

Dietzfelbinger:1985:SRR

- [DM85c] Martin Dietzfelbinger and Wolfgang Maass. Strong reducibilities in α - and β -recursion theory. *Lecture Notes in Mathematics*, 1141:89–120, 1985. CODEN LNMAA2. ISBN 3-540-15673-9 (print), 3-540-39596-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076216/>.

Dani:1986:PSF

- [DM86] S. G. Dani and M. McCrudden. Parabolic subgroups and factor compactness of measures on semisimple Lie groups. *Lecture Notes in Mathematics*, 1210:34–40, 1986. CODEN LNMAA2. ISBN 3-540-16806-0 (print), 3-540-44852-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077170/>.

Davis:1987:SMA

- [DM87a] M. H. A. Davis and Guillermo L. Gómez M. The semi-martingale approach to the optimal resource allocation in the controlled labour-surplus economy. *Lecture Notes in Mathematics*, 1250:36–74, 1987. CODEN LNMAA2. ISBN 3-540-17797-3 (print), 3-540-47835-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077347/>.

Dwyer:1987:HTC

- [DM87b] W. G. Dwyer and G. Mislin. On the homotopy type of the components of $\text{map}_*(BS^3, BS^3)$. *Lecture Notes in Mathematics*, 1298:82–89, 1987. CODEN LNMAA2. ISBN 3-540-18729-4 (print), 3-540-48122-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083001/>.

deMedrano:1988:SSL

- [dM88] Santiago López de Medrano. The space of Siegel leaves of a holomorphic vector field. *Lecture Notes in Mathematics*, 1345:233–

245, 1988. CODEN LNMAA2. ISBN 3-540-50226-2 (print), 3-540-45957-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081404/>.

Dani:1989:EID

- [DM89a] S. G. Dani and M. McCrudden. Embedding infinitely divisible probabilities on the affine group. *Lecture Notes in Mathematics*, 1379:36–49, 1989. CODEN LNMAA2. ISBN 3-540-51401-5 (print), 3-540-46206-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087843/>.

Davis:1989:NSR

- [DM89b] Donald M. Davis and Mark Mahowald. A new spectrum related to 7-connected cobordism. *Lecture Notes in Mathematics*, 1370:126–134, 1989. CODEN LNMAA2. ISBN 3-540-51118-0 (print), 3-540-46160-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085223/>.

Devinatz:1987:SON

- [DMR87] Allen Devinatz, Richard Moeckel, and Peter Rejto. On Schrödinger operators with von Neumann–Wigner type potentials. *Lecture Notes in Mathematics*, 1285:91–98, 1987. CODEN LNMAA2. ISBN 3-540-18479-1 (print), 3-540-47983-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080584/>.

Dwyer:1987:HU

- [DMW87] William G. Dwyer, Haynes R. Miller, and Clarence W. Wilkerson. The homotopic uniqueness of BS^3 . *Lecture Notes in Mathematics*, 1298:90–105, 1987. CODEN LNMAA2. ISBN 3-540-18729-4 (print), 3-540-48122-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083002/>.

DOttaviano:1985:MET

- [D’O85] Ítala M. L. D’Ottaviano. The model extension theorems for L_3 -theories. *Lecture Notes in Mathematics*, 1130:157–173, 1985. CODEN LNMAA2. ISBN 3-540-15236-9 (print), 3-540-39414-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075310/>.

Dobrowolski:1985:FEM

- [Dob85] Manfred Dobrowolski. On finite element methods for nonlinear elliptic problems on domains with corners. *Lecture Notes in Mathematics*, 1121:85–103, 1985. CODEN LNMAA2. ISBN 3-540-15219-9 (print), 3-540-39377-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076264/>.

Dolecki:1986:CBN

- [Dol86] S. Dolecki. Continuity of bilinear and non-bilinear polarities. *Lecture Notes in Mathematics*, 1190:191–213, 1986. CODEN LNMAA2. ISBN 3-540-16476-6 (print), 3-540-39817-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076707/>.

Donaldson:1985:MII

- [Don85a] S. K. Donaldson. 4-manifolds with indefinite intersection form. *Lecture Notes in Mathematics*, 1111:309–320, 1985. CODEN LNMAA2. ISBN 3-540-15195-8 (print), 3-540-39298-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084597/>.

Donkin:1985:Eb

- [Don85b] Stephen Donkin. E_6 . *Lecture Notes in Mathematics*, 1140:133–139, 1985. CODEN LNMAA2. ISBN 3-540-15668-2 (print), 3-540-39589-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074646/>.

Donkin:1985:Ec

- [Don85c] Stephen Donkin. E_7 . *Lecture Notes in Mathematics*, 1140:140–168, 1985. CODEN LNMAA2. ISBN 3-540-15668-2 (print), 3-540-39589-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074647/>.

Donkin:1985:Ed

- [Don85d] Stephen Donkin. E_8 . *Lecture Notes in Mathematics*, 1140:169–226, 1985. CODEN LNMAA2. ISBN 3-540-15668-2 (print), 3-540-39589-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074648/>.

Donkin:1985:F

- [Don85e] Stephen Donkin. F_4 . *Lecture Notes in Mathematics*, 1140:89–132, 1985. CODEN LNMAA2. ISBN 3-540-15668-2 (print), 3-540-39589-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074645/>.

Donkin:1985:G

- [Don85f] Stephen Donkin. G_2 . *Lecture Notes in Mathematics*, 1140:86–88, 1985. CODEN LNMAA2. ISBN 3-540-15668-2 (print), 3-540-39589-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074644/>.

Donkin:1985:CG

- [Don85g] Stephen Donkin. The classical groups. *Lecture Notes in Mathematics*, 1140:52–75, 1985. CODEN LNMAA2. ISBN 3-540-15668-2 (print), 3-540-39589-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074642/>.

Donkin:1985:EA

- [Don85h] Stephen Donkin. An example and applications. *Lecture Notes in Mathematics*, 1140:227–233, 1985. CODEN LNMAA2. ISBN 3-540-15668-2 (print), 3-540-39589-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074649/>.

Donkin:1985:HA

- [Don85i] Stephen Donkin. Homological algebra. *Lecture Notes in Mathematics*, 1140:7–20, 1985. CODEN LNMAA2. ISBN 3-540-15668-2 (print), 3-540-39589-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074639/>.

Donkin:1985:HAR

- [Don85j] Stephen Donkin. Homological algebra revisited. *Lecture Notes in Mathematics*, 1140:76–85, 1985. CODEN LNMAA2. ISBN 3-540-15668-2 (print), 3-540-39589-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074643/>.

Donkin:1985:I

- [Don85k] Stephen Donkin. Introduction. *Lecture Notes in Mathematics*, 1140:1–6, 1985. CODEN LNMAA2. ISBN 3-540-15668-2 (print), 3-540-39589-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074638/>.

Donkin:1985:M

- [Don85l] Stephen Donkin. Miscellany. *Lecture Notes in Mathematics*, 1140:234–249, 1985. CODEN LNMAA2. ISBN 3-540-15668-2 (print), 3-540-39589-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074650/>.

Donkin:1985:MHA

- [Don85m] Stephen Donkin. More homological algebra. *Lecture Notes in Mathematics*, 1140:21–30, 1985. CODEN LNMAA2. ISBN 3-540-15668-2 (print), 3-540-39589-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074640/>.

Donkin:1985:RRA

- [Don85n] Stephen Donkin. *Rational Representations of Algebraic Groups: Tensor Products and Filtrations*, volume 1140 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15668-2 (print), 3-540-39589-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). vii + 254 pp. LCCN QA3.L28 no. 1140. URL [http://link.springer.com/book/10.1007/BFb0074637](http://link.springer.com/book/10.1007/BFb0074637;); <http://www.springerlink.com/content/978-3-540-39589-8>.

Donkin:1985:R

- [Don85o] Stephen Donkin. Reductions. *Lecture Notes in Mathematics*, 1140:31–51, 1985. CODEN LNMAA2. ISBN 3-540-15668-2 (print), 3-540-39589-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074641/>.

Dong:1986:FST

- [Don86a] Chongying Dong. On full subgroups of twisted groups. *Lecture Notes in Mathematics*, 1185:277–288, 1986. CODEN LNMAA2. ISBN 3-540-16456-1 (print), 3-540-39793-0 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076179/>.

Donnelly:1986:PSH

- [Don86b] Harold Donnelly. Positive solutions of the heat and eigenvalue equations on Riemannian manifolds. *Lecture Notes in Mathematics*, 1209:143–151, 1986. CODEN LNMAA2. ISBN 3-540-16801-X (print), 3-540-44844-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076626/>.

Donnelly:1986:DPP

- [Don86c] Peter Donnelly. Dual processes in population genetics. *Lecture Notes in Mathematics*, 1212:94–105, 1986. CODEN LNMAA2. ISBN 3-540-16803-6 (print), 3-540-47053-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076240/>.

Donagi:1988:SP

- [Don88a] Ron Donagi. The Schottky problem. *Lecture Notes in Mathematics*, 1337:84–137, 1988. CODEN LNMAA2. ISBN 3-540-50080-4 (print), 3-540-45920-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082807/>.

Donnay:1988:GFT

- [Don88b] Victor J. Donnay. Geodesic flow on the two-sphere part II: Ergodicity. *Lecture Notes in Mathematics*, 1342:112–153, 1988. CODEN LNMAA2. ISBN 3-540-50174-6 (print), 3-540-45946-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082827/>.

Donnelly:1988:DER

- [Don88c] Harold Donnelly. Decay of eigenfunctions on Riemannian manifolds. *Lecture Notes in Mathematics*, 1339:106–117, 1988. CODEN LNMAA2. ISBN 3-540-50113-4 (print), 3-540-45930-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083050/>.

Donaldson:1989:CCY

- [Don89a] S. K. Donaldson. Compactification and completion of Yang–Mills moduli spaces. *Lecture Notes in Mathematics*, 1410:145–160, 1989. CODEN LNMAA2. ISBN 3-540-51885-1 (print), 3-540-46858-7

(e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086420/>.

Donnelly:1989:RDE

- [Don89b] Harold Donnelly. Rapid decay of eigenfunctions. *Lecture Notes in Mathematics*, 1410:161–176, 1989. CODEN LNMAA2. ISBN 3-540-51885-1 (print), 3-540-46858-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086421/>.

Doplicher:1985:PQF

- [Dop85] S. Doplicher. Problems in quantum field theory and in operator algebras. *Lecture Notes in Mathematics*, 1132:117–128, 1985. CODEN LNMAA2. ISBN 3-540-15643-7 (print), 3-540-39514-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074882/>.

Dow:1989:CSC

- [Dow89] Alan Dow. Compact spaces of countable tightness in the Cohen model. *Lecture Notes in Mathematics*, 1401:55–67, 1989. CODEN LNMAA2. ISBN 3-540-51730-8 (print), 3-540-46795-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097331/>.

Dimiev:1985:APF

- [DP85] Stančo Dimiev and Tsvetan Pelov. Almost pluriharmonic functions and symplectic mappings on generalized Kähler manifolds. *Lecture Notes in Mathematics*, 1165:108–121, 1985. CODEN LNMAA2. ISBN 3-540-16050-7 (print), 3-540-39734-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076148/>.

dePena:1986:ZRA

- [dP86] D. A. de Peña. Zero relation algebras with oriented cycles of noninvertible morphisms. *Lecture Notes in Mathematics*, 1177:256–268, 1986. CODEN LNMAA2. ISBN 3-540-16432-4 (print), 3-540-39776-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075268/>.

DeVore:1988:ISN

- [DP88] R. A. DeVore and V. A. Popov. Interpolation spaces and non-linear approximation. *Lecture Notes in Mathematics*, 1302:191–

205, 1988. CODEN LNMAA2. ISBN 3-540-18905-X (print), 3-540-38841-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078875/>.

delPino:1986:LPS

- [dPR86] Guido del Pino and Rolando Rebolledo, editors. *Lectures in Probability and Statistics: Lectures given at the Winter School in Probability and Statistics held in Santiago de Chile*, volume 1215 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 0-387-16822-2, 3-540-16822-2 (print), 3-540-47092-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1215; QA3 .L28 no. 1215 QA273.18. URL <http://link.springer.com/book/10.1007/BFb0075871>; <http://www.springerlink.com/content/978-3-540-47092-2>.

Dovermann:1986:AAG

- [DR86] Karl Heinz Dovermann and Melvin Rothenberg. An algebraic approach to the generalized Whitehead group. *Lecture Notes in Mathematics*, 1217:92–114, 1986. CODEN LNMAA2. ISBN 3-540-16824-9 (print), 3-540-47097-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072817/>.

Dauge:1987:WFC

- [DR87] Monique Dauge and Didier Robert. Weyl's formula for a class of pseudodifferential operators with negative order on $L^2(R^n)$. *Lecture Notes in Mathematics*, 1256:91–122, 1987. CODEN LNMAA2. ISBN 3-540-17856-2 (print), 3-540-47886-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077739/>.

Dilworth:1988:SQB

- [DR88a] S. J. Dilworth and T. J. Ransford. Spectra in quasi-Banach algebras. *Lecture Notes in Mathematics*, 1332:175–178, 1988. CODEN LNMAA2. ISBN 3-540-50018-9 (print), 3-540-45892-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081619/>.

Druck:1988:CSF

- [DR88b] Iole F. Druck and Gonzalo E. Reyes. Sur la convergence de suites de fonctions suivant des filtres. (French) []. *Lecture Notes*

in Mathematics, 1348:102–106, 1988. CODEN LNMAA2. ISBN 3-540-50362-5 (print), 3-540-45985-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081351/>.

Dlab:1989:FRI

- [DR89a] Vlastimil Dlab and Claus Michael Ringel. Filtrations of right ideals related to projectivity of left ideals. *Lecture Notes in Mathematics*, 1404:95–107, 1989. CODEN LNMAA2. ISBN 3-540-51812-6 (print), 3-540-46814-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084072/>.

Dovermann:1989:GWT

- [DR89b] Karl Heinz Dovermann and Melvin Rothenberg. The generalized Whitehead torsion of a g fibre homotopy equivalence. *Lecture Notes in Mathematics*, 1375:60–88, 1989. CODEN LNMAA2. ISBN 3-540-51218-7 (print), 3-540-46178-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085600/>.

Draux:1985:OPR

- [Dra85] André Draux. Orthogonal polynomials with respect to a linear functional lacunary of order $S + 1$ in a non-commutative algebra. *Lecture Notes in Mathematics*, 1171:84–91, 1985. CODEN LNMAA2. ISBN 3-540-16059-0 (print), 3-540-39743-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076533/>.

Dranishnikov:1987:IDC

- [Dra87a] A. N. Dranishnikov. Infinite-dimensional compacta with finite cohomological dimension modulo p . *Lecture Notes in Mathematics*, 1283:60–64, 1987. CODEN LNMAA2. ISBN 3-540-18443-0 (print), 3-540-47975-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081419/>.

Dranishnikov:1987:RC

- [Dra87b] A. N. Dranishnikov. On resolutions of LC^n -compacta. *Lecture Notes in Mathematics*, 1283:48–59, 1987. CODEN LNMAA2. ISBN 3-540-18443-0 (print), 3-540-47975-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081418/>.

Drasin:1987:SRS

- [Dra87c] D. Drasin. Some recent successes in value-distribution theory. *Lecture Notes in Mathematics*, 1277:1–14, 1987. CODEN LNMAA2. ISBN 3-540-18355-8 (print), 3-540-47893-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078242/>.

Draux:1987:TPP

- [Dra87d] André Draux. Two-point Padé-type and Padé approximants. *Lecture Notes in Mathematics*, 1237:51–62, 1987. CODEN LNMAA2. ISBN 3-540-17212-2 (print), 3-540-47412-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072454/>.

Draux:1988:CPA

- [Dra88] André Draux. Convergence of Padé approximants in a non-commutative algebra. *Lecture Notes in Mathematics*, 1354:118–130, 1988. CODEN LNMAA2. ISBN 3-540-50443-5 (print), 3-540-46005-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089588/>.

Drdzinski:1985:RMH

- [Drd85] Andrzej Drdziński. Riemannian manifolds with harmonic curvature. *Lecture Notes in Mathematics*, 1156:74–85, 1985. CODEN LNMAA2. ISBN 3-540-15994-0 (print), 3-540-39698-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075087/>.

Dress:1985:RPE

- [Dre85] Andreas W. M. Dress. Regular polytopes and equivariant tessellations from a combinatorial point of view. *Lecture Notes in Mathematics*, 1172:56–72, 1985. CODEN LNMAA2. ISBN 3-540-16061-2 (print), 3-540-39745-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074423/>.

Drewnowski:1986:DPI

- [Dre86] L. Drewnowski. On the Dunford and Pettis integrals. *Lecture Notes in Mathematics*, 1221:1–15, 1986. CODEN LNMAA2. ISBN 3-540-17186-X (print), 3-540-47344-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099108/>.

Drezet:1987:GPV

- [Dre87] Jean-Marc Drezet. Groupe de Picard des variétés de modules de faisceaux semi-stables sur \mathbf{P}_2 . (French) []. *Lecture Notes in Mathematics*, 1273:337–362, 1987. CODEN LNMAA2. ISBN 3-540-18263-2 (print), 3-540-47851-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078853/>.

Drmota:1987:GGS

- [Drm87] M. Drmota. Gleichmässig Gleichverteilte Und Schwach Gleichmässig Gleichverteilte Funktionen Modulo 1. (German) []. *Lecture Notes in Mathematics*, 1262:22–36, 1987. CODEN LNMAA2. ISBN 3-540-18015-X (print), 3-540-47256-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078593/>.

Desch:1986:LSN

- [DS86a] W. Desch and W. Schappacher. Linearized stability for nonlinear semigroups. *Lecture Notes in Mathematics*, 1223:61–73, 1986. CODEN LNMAA2. ISBN 3-540-17191-6 (print), 3-540-47350-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099183/>.

Dunau:1986:CDT

- [DS86b] Jean-Louis Dunau and Henri Sénateur. Une caractérisation du type de la loi de Cauchy–Heisenberg. (French) []. *Lecture Notes in Mathematics*, 1210:41–57, 1986. CODEN LNMAA2. ISBN 3-540-16806-0 (print), 3-540-44852-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077171/>.

daSilva:1987:EES

- [dS87] J. A. Pereira da Silva. Essential extensions of some infinite dimensional Lie algebras. *Lecture Notes in Mathematics*, 1251:265–283, 1987. CODEN LNMAA2. ISBN 3-540-17816-3 (print), 3-540-47854-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077325/>.

Dittrich:1989:MGV

- [DS89] Christel Dittrich and Rolf Sulanke. Möbius geometry VI. Characterization of the homogeneous tori. *Lecture Notes in Mathematics*, 1410:121–127, 1989. CODEN LNMAA2. ISBN 3-540-51885-1

(print), 3-540-46858-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086418/>.

deSainte-Catherine:1985:CII

- [dSCV85] Myriam de Sainte-Catherine and Gérard Viennot. Combinatorial interpretation of integrals of products of Hermite, Laguerre and Tchebycheff polynomials. *Lecture Notes in Mathematics*, 1171: 120–128, 1985. CODEN LNMAA2. ISBN 3-540-16059-0 (print), 3-540-39743-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076537/>.

deSainte-Catherine:1986:ECY

- [dSCV86] Myriam de Sainte-Catherine and Gérard Viennot. Enumeration of certain Young tableaux with bounded height. *Lecture Notes in Mathematics*, 1234:58–67, 1986. CODEN LNMAA2. ISBN 3-540-17207-6 (print), 3-540-47402-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072509/>.

Dunau:1989:CTS

- [DST89] Jean-Louis Dunau, Henri Senateur, and Insa Toulouse. Characterization of the type of some generalizations of the Cauchy distribution. *Lecture Notes in Mathematics*, 1379:64–74, 1989. CODEN LNMAA2. ISBN 3-540-51401-5 (print), 3-540-46206-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087845/>.

DaPrato:1987:SPD

- [DT87] Giuseppe Da Prato and Luciano Tubaro, editors. *Stochastic Partial Differential Equations and Applications: Proceedings of a Conference held in Trento, Italy, Sept. 30–Oct. 5, 1985*, volume 1236 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-17211-4 (print), 3-540-47408-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1236. URL <http://link.springer.com/book/10.1007/BFb0072879>; <http://www.springerlink.com/content/978-3-540-47408-1>.

Durran:1988:PD

- [DT88a] Richard Durran and Aubrey Truman. Planetsimal diffusions. *Lecture Notes in Mathematics*, 1325:76–88, 1988. CODEN LN-

MAA2. ISBN 3-540-50015-4 (print), 3-540-45887-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077917/>.

Durran:1988:BMH

- [DT88b] Richard M. Durran and Aubrey Truman. Brownian motion on hypersurfaces and computer simulation. *Lecture Notes in Mathematics*, 1325:89–100, 1988. CODEN LNMAA2. ISBN 3-540-50015-4 (print), 3-540-45887-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077918/>.

DiLena:1989:SFM

- [DT89] G. Di Lena and D. Trigiante. On the spectrum of families of matrices with applications to stability problems. *Lecture Notes in Mathematics*, 1386:36–53, 1989. CODEN LNMAA2. ISBN 3-540-51478-3 (print), 3-540-48144-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089230/>.

Dubuc:1985:FEC

- [Dub85] Serge Dubuc. Functional equations connected with peculiar curves. *Lecture Notes in Mathematics*, 1163:33–40, 1985. CODEN LNMAA2. ISBN 3-540-16067-1 (print), 3-540-39749-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076415/>.

Dubrovin:1988:TOR

- [Dub88] B. A. Dubrovin. Theory of operators and real algebraic geometry. *Lecture Notes in Mathematics*, 1334:42–59, 1988. CODEN LNMAA2. ISBN 3-540-50019-7 (print), 3-540-45894-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080422/>.

Dudley:1985:EWT

- [Dud85] R. M. Dudley. An extended Wichura theorem, definitions of Donsker class, and weighted empirical distributions. *Lecture Notes in Mathematics*, 1153:141–178, 1985. CODEN LNMAA2. ISBN 3-540-15704-2 (print), 3-540-39645-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074949/>.

Dumcke:1985:LDL

- [Düm85a] R. Dümcke. The low density limit for n -level systems. *Lecture Notes in Mathematics*, 1136:151–161, 1985. CODEN LNMAA2. ISBN 3-540-15661-5 (print), 3-540-39570-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074469/>.

Dumortier:1985:SGV

- [Dum85b] Freddy Dumortier. On the structure of germs of vector fields in \mathbf{R}^3 whose linear part generates rotations. *Lecture Notes in Mathematics*, 1125:15–46, 1985. CODEN LNMAA2. ISBN 3-540-15233-4 (print), 3-540-39411-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075633/>.

Dunham:1987:ECA

- [Dun87] Charles B. Dunham. Existence of Chebyshev approximations by transformations of powered rationals. *Lecture Notes in Mathematics*, 1237:63–67, 1987. CODEN LNMAA2. ISBN 3-540-17212-2 (print), 3-540-47412-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072455/>.

Dunham:1988:SUU

- [Dun88] Charles B. Dunham. Subsets of unicity in uniform approximation. *Lecture Notes in Mathematics*, 1354:131–135, 1988. CODEN LNMAA2. ISBN 3-540-50443-5 (print), 3-540-46005-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089589/>.

Dupont:1988:DSR

- [Dup88] Johan L. Dupont. A dual simplicial de Rham complex. *Lecture Notes in Mathematics*, 1318:87–91, 1988. CODEN LNMAA2. ISBN 3-540-19340-5 (print), 3-540-39204-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077796/>.

Durand:1985:SEP

- [Dur85a] M. Durand. Singularities in elliptic problems. *Lecture Notes in Mathematics*, 1121:104–112, 1985. CODEN LNMAA2. ISBN 3-540-15219-9 (print), 3-540-39377-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076265/>.

Durr:1985:DCL

- [Dür85b] Detlef Dürr. Diffusions and central limit theorems. *Lecture Notes in Mathematics*, 1109:55–67, 1985. CODEN LNMAA2. ISBN 3-540-13914-1 (print), 3-540-39138-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101537/>.

Durrett:1985:UMT

- [Dur85c] R. Durrett. On the unboundedness of martingale transforms. *Lecture Notes in Mathematics*, 1123:27–36, 1985. CODEN LNMAA2. ISBN 3-540-15230-X (print), 3-540-39397-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075837/>.

Dur:1986:A

- [Dür86a] Arne Dür. Applications. *Lecture Notes in Mathematics*, 1202:77–108, 1986. CODEN LNMAA2. ISBN 3-540-16771-4 (print), 3-540-39818-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077476/>.

Dur:1986:CSI

- [Dür86b] Arne Dür. Categorical structures and incidence algebras. *Lecture Notes in Mathematics*, 1202:1–34, 1986. CODEN LNMAA2. ISBN 3-540-16771-4 (print), 3-540-39818-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077473/>.

Dur:1986:MFI

- [Dür86c] Arne Dür. *Möbius Functions, Incidence Algebras and Power Series Representations*, volume 1202 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16771-4 (print), 3-540-39818-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). xii + 134 pp. LCCN QA3.L28 no. 1202. URL [http://link.springer.com/book/10.1007/BFb0077472](http://link.springer.com/book/10.1007/BFb0077472;); <http://www.springerlink.com/content/978-3-540-39818-9>.

Dur:1986:PFE

- [Dür86d] Arne Dür. Partitions, functors and exponential formulas. *Lecture Notes in Mathematics*, 1202:35–49, 1986. CODEN LNMAA2. ISBN 3-540-16771-4 (print), 3-540-39818-X (e-book).

ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077474/>.

Dur:1986:SCS

- [Dür86e] Arne Dür. Sheaflike categorical structures and incidence bialgebras. *Lecture Notes in Mathematics*, 1202:50–76, 1986. CODEN LNMAA2. ISBN 3-540-16771-4 (print), 3-540-39818-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077475/>.

Durrett:1986:SPP

- [Dur86f] Richard Durrett. Some peculiar properties of a particle system with sexual reproduction. *Lecture Notes in Mathematics*, 1212:106–111, 1986. CODEN LNMAA2. ISBN 3-540-16803-6 (print), 3-540-47053-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076241/>.

Durfee:1987:ACL

- [Dur87] Alan H. Durfee. The L -adic cohomology of links. *Lecture Notes in Mathematics*, 1246:42–48, 1987. CODEN LNMAA2. ISBN 3-540-17743-4 (print), 3-540-47794-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077528/>.

Duskin:1988:ACC

- [Dus88] John W. Duskin. The Azumaya complex of a commutative ring. *Lecture Notes in Mathematics*, 1348:107–117, 1988. CODEN LNMAA2. ISBN 3-540-50362-5 (print), 3-540-45985-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081352/>.

Duval:1987:DLL

- [Duv87] C. Duval. The Dirac & Levy–Leblond equations and geometric quantization. *Lecture Notes in Mathematics*, 1251:205–221, 1987. CODEN LNMAA2. ISBN 3-540-17816-3 (print), 3-540-47854-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077322/>.

Denert:1986:CMO

- [DV86] Marleen Denert and Jan Van Geel. Classnumbers of maximal orders in central simple algebras over global function fields. *Lecture Notes in Mathematics*, 1197:60–72, 1986. CODEN LN-

MAA2. ISBN 3-540-16496-0 (print), 3-540-39833-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076313/>.

Delorme:1987:IMS

- [DvdB87] Patrick Delorme and van den Ban. Injection de modules sphériques pour les espaces symétriques réductifs dans certaines représentations induites. (French) [Injection of spherical modules for reductive symmetric spaces into certain induced representations]. *Lecture Notes in Mathematics*, 1243:108–143, 1987. CODEN LNMAA2. ISBN 3-540-17701-9 (print), 3-540-47775-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073020/>.

Dvir:1985:CPP

- [Dvi85] Yoav Dvir. Covering properties of permutation groups. *Lecture Notes in Mathematics*, 1112:197–221, 1985. CODEN LNMAA2. ISBN 3-540-13916-8 (print), 3-540-39142-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072288/>.

Dydak:1987:SLC

- [DW87] Jerzy Dydak and John Walsh. Sheaves that are locally constant with applications to homology manifolds. *Lecture Notes in Mathematics*, 1283:65–87, 1987. CODEN LNMAA2. ISBN 3-540-18443-0 (print), 3-540-47975-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081420/>.

Dwyer:1988:M

- [DW88] William G. Dwyer and Clarence W. Wilkerson. Maps of BZ/pZ to BG . *Lecture Notes in Mathematics*, 1318:92–98, 1988. CODEN LNMAA2. ISBN 3-540-19340-5 (print), 3-540-39204-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077797/>.

Dwinger:1985:UOC

- [Dwi85] Philip Dwinger. Unary operations on completely distributive complete lattices. *Lecture Notes in Mathematics*, 1149:46–81, 1985. CODEN LNMAA2. ISBN 3-540-15691-7 (print), 3-540-39638-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098455/>.

Dwilewicz:1987:BST

- [Dwi87] Roman Dwilewicz. Bergman–Szegő type theory for CR structures. *Lecture Notes in Mathematics*, 1277:15–34, 1987. CODEN LNMAA2. ISBN 3-540-18355-8 (print), 3-540-47893-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078243/>.

Dylawerski:1988:DMB

- [Dyl88] Grzegorz Dylawerski. An S^1 -degree and S^1 -maps between representation spheres. *Lecture Notes in Mathematics*, 1361:14–28, 1988. CODEN LNMAA2. ISBN 3-540-50528-8 (print), 3-540-46036-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083032/>.

Dieckerhoff:1985:PEO

- [DZ85] R. Dieckerhoff and E. Zehnder. An ‘a-priori’ estimate for oscillatory-equations. *Lecture Notes in Mathematics*, 1125:9–14, 1985. CODEN LNMAA2. ISBN 3-540-15233-4 (print), 3-540-39411-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075632/>.

Dwyer:1987:MBC

- [DZ87] W. Dwyer and A. Zabrodsky. Maps between classifying spaces. *Lecture Notes in Mathematics*, 1298:106–119, 1987. CODEN LNMAA2. ISBN 3-540-18729-4 (print), 3-540-48122-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083003/>.

Daoudi:1989:ADM

- [DZ89a] A. Daoudi and M. Zahid. Approximation discrète de mesures dans un espace harmonique. (French) []. *Lecture Notes in Mathematics*, 1393:72–77, 1989. CODEN LNMAA2. ISBN 3-540-51592-5 (print), 3-540-46675-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085772/>.

Dembo:1989:RAS

- [DZ89b] Amir Dembo and Ofer Zeitouni. On the relation of anticipative Stratonovich and symmetric integrals: a decomposition formula. *Lecture Notes in Mathematics*, 1390:66–76, 1989. CODEN LNMAA2. ISBN 3-540-51510-0 (print), 3-540-48200-8 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083937/>.

Dziuk:1988:FEB

- [Dzi88] Gerhard Dziuk. Finite elements for the Beltrami operator on arbitrary surfaces. *Lecture Notes in Mathematics*, 1357:142–155, 1988. CODEN LNMAA2. ISBN 3-540-50508-3 (print), 3-540-46024-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082865/>.

Ellis:1988:NSS

- [EB88] David B. Ellis and Michael G. Branton. Non-self-similar attractors of hyperbolic iterated function systems. *Lecture Notes in Mathematics*, 1342:158–171, 1988. CODEN LNMAA2. ISBN 3-540-50174-6 (print), 3-540-45946-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082829/>.

Eberlein:1985:SMN

- [Ebe85] Patrick Eberlein. Structure of manifolds of nonpositive curvature. *Lecture Notes in Mathematics*, 1156:86–153, 1985. CODEN LNMAA2. ISBN 3-540-15994-0 (print), 3-540-39698-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075088/>.

Eberlein:1986:SSN

- [Ebe86] Patrick Eberlein. L -subgroups in spaces of nonpositive curvature. *Lecture Notes in Mathematics*, 1201:41–88, 1986. CODEN LNMAA2. ISBN 3-540-16770-6 (print), 3-540-38827-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075647/>.

Ebeling:1987:CDD

- [Ebe87a] Wolfgang Ebeling. Computation of Dynkin diagrams. *Lecture Notes in Mathematics*, 1293:21–66, 1987. CODEN LNMAA2. ISBN 3-540-18686-7 (print), 3-540-48072-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078931/>.

Ebeling:1987:DDS

- [Ebe87b] Wolfgang Ebeling. Dynkin diagrams for some special singularities. *Lecture Notes in Mathematics*, 1293:67–116, 1987. CODEN LNMAA2. ISBN 3-540-18686-7 (print), 3-540-48072-2 (e-book).

ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078932/>.

Ebeling:1987:ICI

- [Ebe87c] Wolfgang Ebeling. Invariants of complete intersections. *Lecture Notes in Mathematics*, 1293:1–20, 1987. CODEN LNMAA2. ISBN 3-540-18686-7 (print), 3-540-48072-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078930/>.

Ebeling:1987:MLM

- [Ebe87d] Wolfgang Ebeling. Milnor lattices and monodromy groups. *Lecture Notes in Mathematics*, 1293:117–130, 1987. CODEN LNMAA2. ISBN 3-540-18686-7 (print), 3-540-48072-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078933/>.

Ebeling:1987:MGS

- [Ebe87e] Wolfgang Ebeling. Monodromy groups of symmetric vanishing lattices. *Lecture Notes in Mathematics*, 1293:131–144, 1987. CODEN LNMAA2. ISBN 3-540-18686-7 (print), 3-540-48072-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078934/>.

Ecalle:1985:IAC

- [Éca85] Jean Écalle. Iteration and analytic classification of local diffeomorphisms of \mathbf{C}^{ν} . *Lecture Notes in Mathematics*, 1163:41–48, 1985. CODEN LNMAA2. ISBN 3-540-16067-1 (print), 3-540-39749-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076416/>.

Eckmann:1987:NGA

- [Eck87] Beno Eckmann. Nilpotent group action and Euler characteristic. *Lecture Notes in Mathematics*, 1298:120–123, 1987. CODEN LNMAA2. ISBN 3-540-18729-4 (print), 3-540-48122-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083004/>.

Ede:1986:CSD

- [Ede86] D. A. Ede. Computer simulation of developmental processes in biology: Models for the developing limb. *Lecture Notes in Mathematics*, 1212:112–123, 1986. CODEN LNMAA2. ISBN

3-540-16803-6 (print), 3-540-47053-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076242/>.

Edgar:1985:CMC

- [Edg85] G. A. Edgar. Complex martingale convergence. *Lecture Notes in Mathematics*, 1166:38–59, 1985. CODEN LNMAA2. ISBN 3-540-16051-5 (print), 3-540-39736-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074691/>.

Ein:1988:VCQ

- [EEK88] Lawrence Ein, David Eisenbud, and Sheldon Katz. Varieties cut out by quadrics: Scheme-theoretic versus homogeneous generation of ideals. *Lecture Notes in Mathematics*, 1311:51–70, 1988. CODEN LNMAA2. ISBN 3-540-19236-0 (print), 3-540-39157-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082908/>.

Eells:1985:MBI

- [Eel85] James Eells. Minimal branched immersions into three-manifolds. *Lecture Notes in Mathematics*, 1167:81–94, 1985. CODEN LNMAA2. ISBN 3-540-16053-1 (print), 3-540-39738-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075217/>.

Epstein:1985:LUG

- [EEŚ85] Marcelo Epstein, Marek Elżanowski, and Jędrzej Śniatycki. Locality and uniformity in global elasticity. *Lecture Notes in Mathematics*, 1139:300–310, 1985. CODEN LNMAA2. ISBN 3-540-15666-6 (print), 3-540-39585-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074591/>.

Eigen:1988:PSI

- [EH88a] Stanley Eigen and Arshag Hajian. Poincaré sequences in infinite measure spaces and complementing subsets of the integers. *Lecture Notes in Mathematics*, 1342:154–157, 1988. CODEN LNMAA2. ISBN 3-540-50174-6 (print), 3-540-45946-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082828/>.

Evans:1988:MQD

- [EH88b] M. Evans and R. L. Hudson. Multidimensional quantum diffusions. *Lecture Notes in Mathematics*, 1303:69–88, 1988. CODEN LNMAA2. ISBN 3-540-18919-X (print), 3-540-38846-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078055/>.

Ehrenpreis:1985:TNP

- [Ehr85] Leon Ehrenpreis. Transcendental numbers and partial differential equations. *Lecture Notes in Mathematics*, 1135:112–125, 1985. CODEN LNMAA2. ISBN 3-540-15649-6 (print), 3-540-39535-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074603/>.

Ein:1988:VTV

- [Ein88] Lawrence Ein. Vanishing theorems for varieties of low codimension. *Lecture Notes in Mathematics*, 1311:71–75, 1988. CODEN LNMAA2. ISBN 3-540-19236-0 (print), 3-540-39157-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082909/>.

Echterhoff:1988:CGE

- [EK88a] Siegfried Echterhoff and Eberhard Kaniuth. Certain group extensions and twisted covariance algebras with generalized continuous trace. *Lecture Notes in Mathematics*, 1359:159–169, 1988. CODEN LNMAA2. ISBN 3-540-50524-5 (print), 3-540-46032-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086596/>.

Essannouni:1988:SAR

- [EK88b] Hassane Essannouni and Amin Kaidi. Semiprime alternative rings with A.C.C. *Lecture Notes in Mathematics*, 1328:82–93, 1988. CODEN LNMAA2. ISBN 3-540-19474-6 (print), 3-540-39278-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100918/>.

Ekedahl:1986:TES

- [Eke86a] Torsten Ekedahl. Two examples of smooth projective varieties with non-zero Massey products. *Lecture Notes in Mathematics*, 1183:128–132, 1986. CODEN LNMAA2. ISBN 3-540-16453-7 (print), 3-540-39790-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075454/>.

Ekeland:1986:TRC

- [Eke86b] I. Ekeland. Two results in convex analysis. *Lecture Notes in Mathematics*, 1190:215–228, 1986. CODEN LNMAA2. ISBN 3-540-16476-6 (print), 3-540-39817-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076708/>.

Ekeland:1988:SVP

- [Eke88] Ivar Ekeland. Some variational problems arising from mathematical economics. *Lecture Notes in Mathematics*, 1330:1–18, 1988. CODEN LNMAA2. ISBN 3-540-50003-0 (print), 3-540-45883-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078156/>.

Ekstrom:1989:ACG

- [Eks89] Eva Kristina Ekström. The Auslander condition on graded and filtered Noetherian rings. *Lecture Notes in Mathematics*, 1404:220–245, 1989. CODEN LNMAA2. ISBN 3-540-51812-6 (print), 3-540-46814-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084078/>.

ElKory:1987:GVF

- [El 87] Mohamed El Kory. Généralisation de la variation d'une fonction et application. (French) []. *Lecture Notes in Mathematics*, 1235:57–87, 1987. CODEN LNMAA2. ISBN 3-540-17210-6 (print), 3-540-47406-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072749/>.

Elencwajg:1988:EC

- [EL88] G. Elencwajg and P. Le Barz. Explicit computations in $\text{Hilb}^3\mathbf{P}^2$. *Lecture Notes in Mathematics*, 1311:76–100, 1988. CODEN LNMAA2. ISBN 3-540-19236-0 (print), 3-540-39157-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082910/>.

Elbert:1985:NC

- [Elb85] Á. Elbert. On a Nehari's constant. *Lecture Notes in Mathematics*, 1151:142–147, 1985. CODEN LNMAA2. ISBN 3-540-15694-1 (print), 3-540-39640-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074722/>.

Elduque:1989:LAS

- [Eld89] Alberto Elduque. On Lie algebras with a subalgebra of codimension one. *Lecture Notes in Mathematics*, 1373:58–66, 1989. CODEN LNMAA2. ISBN 3-540-51147-4 (print), 3-540-46170-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0088887/>.

Elezovic:1987:NOC

- [Ele87] Neven Elezović. p -nuclear operators and cylindrical measures on tensor products of Banach spaces. *Lecture Notes in Mathematics*, 1242:418–432, 1987. CODEN LNMAA2. ISBN 3-540-17833-3 (print), 3-540-47876-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072447/>.

Eliashberg:1988:SDW

- [Eli88] Ya. M. Eliashberg. The structure of 1-dimensional wave fronts, non-standard Legendrian loops and Bennequin's theorem. *Lecture Notes in Mathematics*, 1346:7–12, 1988. CODEN LNMAA2. ISBN 3-540-50237-8 (print), 3-540-45958-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082768/>.

Ellia:1989:LHF

- [Ell89] Ph. Ellia. Sur les lacunes d'Halphen. (French) []. *Lecture Notes in Mathematics*, 1389:43–65, 1989. CODEN LNMAA2. ISBN 3-540-51509-7 (print), 3-540-48188-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085923/>.

Elschner:1985:ASC

- [Els85a] Johannes Elschner. Appendix. Suboptimal convergence of the Galerkin method with splines for elliptic pseudodifferential equations. *Lecture Notes in Mathematics*, 1128:187–190, 1985. CODEN LNMAA2. ISBN 3-540-15194-X (print), 3-540-39294-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075283/>.

Elschner:1985:DPO

- [Els85b] Johannes Elschner. Degenerate pseudodifferential operators on a closed curve. *Lecture Notes in Mathematics*, 1128:123–163, 1985. CODEN LNMAA2. ISBN 3-540-15194-X (print), 3-540-39294-7

(e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075281/>.

Elschner:1985:EDO

- [Els85c] Johannes Elschner. Elliptic differential operators in \mathbf{R}^n degenerating at one point. *Lecture Notes in Mathematics*, 1128:92–122, 1985. CODEN LNMAA2. ISBN 3-540-15194-X (print), 3-540-39294-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075280/>.

Elschner:1985:FEM

- [Els85d] Johannes Elschner. A finite element method for pseudodifferential equations on a closed curve. *Lecture Notes in Mathematics*, 1128:164–186, 1985. CODEN LNMAA2. ISBN 3-540-15194-X (print), 3-540-39294-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075282/>.

Elschner:1985:FDO

- [Els85e] Johannes Elschner. Fuchsian differential operators with one singular point. *Lecture Notes in Mathematics*, 1128:13–36, 1985. CODEN LNMAA2. ISBN 3-540-15194-X (print), 3-540-39294-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075277/>.

Elschner:1985:LODa

- [Els85f] Johannes Elschner. Liear ordinary differential operators with one singular point. *Lecture Notes in Mathematics*, 1128:37–71, 1985. CODEN LNMAA2. ISBN 3-540-15194-X (print), 3-540-39294-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075278/>.

Elschner:1985:LODb

- [Els85g] Johannes Elschner. Linear ordinary differential operators with several singular points. *Lecture Notes in Mathematics*, 1128:72–91, 1985. CODEN LNMAA2. ISBN 3-540-15194-X (print), 3-540-39294-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075279/>.

Elschner:1985:SOD

- [Els85h] Johannes Elschner. *Singular Ordinary Differential Operators and Pseudodifferential Equations*, volume 1128 of *Lecture Notes in*

Mathematics. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15194-X (print), 3-540-39294-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). 190 (est.) pp. LCCN QA3 .L28 no. 1128. URL <http://link.springer.com/book/10.1007/BFb0075276>; <http://www.springerlink.com/content/978-3-540-39294-1>.

Elworthy:1988:GAD

- [Elw88a] David Elworthy. Geometric aspects of diffusions on manifolds. *Lecture Notes in Mathematics*, 1362:277–425, 1988. CODEN LNMAA2. ISBN 3-540-50549-0 (print), 3-540-46042-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086183/>.

Elworthy:1988:BMH

- [Elw88b] K. D. Elworthy. Brownian motion and harmonic forms. *Lecture Notes in Mathematics*, 1316:288–304, 1988. CODEN LNMAA2. ISBN 3-540-19315-4 (print), 3-540-39186-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081936/>.

Etgens:1985:PPT

- [EM85] Maria Etgens and Zenon Moszner. On pseudo-processes and their extensions. *Lecture Notes in Mathematics*, 1163:49–58, 1985. CODEN LNMAA2. ISBN 3-540-16067-1 (print), 3-540-39749-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076417/>.

England:1986:SSC

- [EM86] Roland England and Robert M. M. Mattheij. Sequential step control for integration of two-point boundary value problems. *Lecture Notes in Mathematics*, 1230:221–234, 1986. CODEN LNMAA2. ISBN 3-540-17200-9 (print), 3-540-47379-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072684/>.

Edelman:1988:OPM

- [EM88] Alan Edelman and Charles A. Micchelli. Orthogonal polynomials in monotone and convex interpolation. *Lecture Notes in Mathematics*, 1329:20–31, 1988. CODEN LNMAA2. ISBN 3-540-19489-4 (print), 3-540-39295-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083351/>.

Embid:1987:IVP

- [Emb87] Pedro Embid. The initial value problem for the nonlinear equations for zero Mach number combustion. *Lecture Notes in Mathematics*, 1285:110–118, 1987. CODEN LNMAA2. ISBN 3-540-18479-1 (print), 3-540-47983-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080586/>.

Emery:1988:CCV

- [Éme88] Michel Émery. En cherchant une caractérisation variationnelle des martingales. (French) []. *Lecture Notes in Mathematics*, 1321:147–154, 1988. CODEN LNMAA2. ISBN 3-540-19351-0 (print), 3-540-39228-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084131/>.

Emery:1989:AM

- [Éme89] Michel Émery. On the Azéma martingales. *Lecture Notes in Mathematics*, 1372:66–87, 1989. CODEN LNMAA2. ISBN 3-540-51191-1 (print), 3-540-46176-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083961/>.

Ebbinghaus:1985:RTW

- [EMS85] Heinz-Dieter Ebbinghaus, Gert H. Müller, and Gerald E. Sacks, editors. *Recursion Theory Week: Proceedings of a Conference held in Oberwolfach, West Germany April 15–21, 1984*, volume 1141 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15673-9 (print), 3-540-39596-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1141. URL <http://link.springer.com/book/10.1007/BFb0076211>; <http://www.springerlink.com/content/978-3-540-39596-6>.

Engel:1986:SCS

- [EN86] K.-J. Engel and R. Nagel. On the spectrum of certain systems of linear evolution equations. *Lecture Notes in Mathematics*, 1223:102–109, 1986. CODEN LNMAA2. ISBN 3-540-17191-6 (print), 3-540-47350-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099186/>.

Erdos:1987:PRM

- [EN87] Paul Erdős and Melvyn B. Nathanson. Problems and results on minimal bases in additive number theory. *Lecture Notes in Mathematics*, 1240:87–96, 1987. CODEN LNMAA2. ISBN 3-540-17669-1 (print), 3-540-47756-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072974/>.

Ellis:1988:ESE

- [EN88] R. Ellis and M. Nerurkar. Enveloping semigroup in ergodic theory and a proof of Moore’s ergodicity theorem. *Lecture Notes in Mathematics*, 1342:172–179, 1988. CODEN LNMAA2. ISBN 3-540-50174-6 (print), 3-540-45946-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082830/>.

English:1986:LEO

- [Eng86] Harald English. Lyapunov exponents and one-dimensional alloys. *Lecture Notes in Mathematics*, 1186:242–245, 1986. CODEN LNMAA2. ISBN 3-540-16458-8 (print), 3-540-39795-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076843/>.

Engler:1987:ERS

- [Eng87a] Hans Engler. Existence of radially symmetric solutions of strongly damped wave equations. *Lecture Notes in Mathematics*, 1248:40–51, 1987. CODEN LNMAA2. ISBN 3-540-17741-8 (print), 3-540-47791-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077414/>.

Engquist:1987:COS

- [Eng87b] Björn Engquist. Computation of oscillatory solutions to partial differential equations. *Lecture Notes in Mathematics*, 1270:10–22, 1987. CODEN LNMAA2. ISBN 3-540-18200-4 (print), 3-540-47805-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078314/>.

Engler:1989:QHI

- [Eng89] Hans Engler. On quasilinear hyperbolic integrodifferential equations in unbounded domains. *Lecture Notes in Mathematics*, 1394:

44–55, 1989. CODEN LNMAA2. ISBN 3-540-51594-1 (print), 3-540-46679-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086751/>.

Enoki:1988:SNT

- [Eno88] Ichiro Enoki. Stability and negativity for tangent sheaves of minimal Kähler spaces. *Lecture Notes in Mathematics*, 1339:118–126, 1988. CODEN LNMAA2. ISBN 3-540-50113-4 (print), 3-540-45930-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083051/>.

Enss:1985:QST

- [Enss85] Volker Enss. Quantum scattering theory for two- and three-body systems with potentials of short and long range. *Lecture Notes in Mathematics*, 1159:39–176, 1985. CODEN LNMAA2. ISBN 3-540-16035-3 (print), 3-540-39706-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080332/>.

Enss:1986:IAO

- [Enss86] Volker Enss. Introduction to asymptotic observables for multiparticle quantum scattering. *Lecture Notes in Mathematics*, 1218:61–92, 1986. CODEN LNMAA2. ISBN 3-540-16826-5 (print), 3-540-47119-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073044/>.

Engler:1987:SDS

- [ENS87] H. Engler, F. Neubrandner, and J. Sandefur. Strongly damped semilinear second order equations. *Lecture Notes in Mathematics*, 1248:52–62, 1987. CODEN LNMAA2. ISBN 3-540-17741-8 (print), 3-540-47791-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077415/>.

Enss:1988:ATE

- [Enss88] Volker Enss. Asymptotic time evolutions for strictly outgoing multiparticle quantum systems with long-range potentials. *Lecture Notes in Mathematics*, 1324:65–84, 1988. CODEN LNMAA2. ISBN 3-540-50111-8 (print), 3-540-45928-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100783/>.

Erdos:1987:NFW

- [EP87] Paul Erdős and Carl Pomerance. On the number of false witnesses for a composite number. *Lecture Notes in Mathematics*, 1240:97–100, 1987. CODEN LNMAA2. ISBN 3-540-17669-1 (print), 3-540-47756-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072975/>.

Ellingsrud:1987:VNQ

- [EPS87] Geir Ellingsrud, Ragni Piene, and Stein Arild Strømme. On the variety of nets of quadrics defining twisted cubics. *Lecture Notes in Mathematics*, 1266:84–96, 1987. CODEN LNMAA2. ISBN 3-540-18020-6 (print), 3-540-47708-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078179/>.

Erdos:1985:SMP

- [Erd85] P. Erdős. On some of my problems in number theory I would most like to see solved. *Lecture Notes in Mathematics*, 1122:74–84, 1985. CODEN LNMAA2. ISBN 3-540-15222-9 (print), 3-540-39642-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075752/>.

Erdos:1989:R

- [Erd89] Paul Erdős. Ramanujan and I. *Lecture Notes in Mathematics*, 1395:1–17, 1989. CODEN LNMAA2. ISBN 3-540-51595-X (print), 3-540-46681-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086396/>.

Erkip:1987:NSB

- [Erk87] A. K. Erkip. Normal solvability of boundary value problems in half space. *Lecture Notes in Mathematics*, 1256:123–134, 1987. CODEN LNMAA2. ISBN 3-540-17856-2 (print), 3-540-47886-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077740/>.

Erkama:1988:RRM

- [Erk88] Timo Erkama. Rational Riemann maps. *Lecture Notes in Mathematics*, 1351:101–109, 1988. CODEN LNMAA2. ISBN 3-540-50370-6 (print), 3-540-45992-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081246/>.

Elman:1986:PIN

- [ES86] Howard C. Elman and Roy L. Streit. Polynomial iteration for non-symmetric indefinite linear systems. *Lecture Notes in Mathematics*, 1230:103–117, 1986. CODEN LNMAA2. ISBN 3-540-17200-9 (print), 3-540-47379-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072674/>.

Ellia:1987:CPC

- [ES87a] Ph. Ellia and I. Sols. On the cohomology of projective curves. *Lecture Notes in Mathematics*, 1266:74–83, 1987. CODEN LNMAA2. ISBN 3-540-18020-6 (print), 3-540-47708-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078178/>.

Ellingsrud:1987:RMS

- [ES87b] G. Ellingsrud and S. A. Strømme. On the rationality of the moduli space for stable rank-2 vector bundles on P^2 . *Lecture Notes in Mathematics*, 1273:363–371, 1987. CODEN LNMAA2. ISBN 3-540-18263-2 (print), 3-540-47851-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078854/>.

Erdos:1989:PPW

- [ESN89] P. Erdős, M. Szalay, and J. L. Nicolas. Partitions into parts which are unequal and large. *Lecture Notes in Mathematics*, 1380:19–30, 1989. CODEN LNMAA2. ISBN 3-540-51397-3 (print), 3-540-46205-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086543/>.

Espanol:1988:SLB

- [Esp88] L. Español. The spectrum lattice of Baer rings and polynomials. *Lecture Notes in Mathematics*, 1348:118–124, 1988. CODEN LNMAA2. ISBN 3-540-50362-5 (print), 3-540-45985-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081353/>.

Erdos:1985:PRA

- [ESS85] P. Erdős, A. Sárközy, and V. T. Sós. Problems and result on additive properties of general sequences, IV. *Lecture Notes in Mathematics*, 1122:85–104, 1985. CODEN LNMAA2. ISBN 3-540-15222-9 (print), 3-540-39642-X (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075753/>.

Essen:1987:HMH

- [Ess87] Matts Essén. Harmonic majorization, harmonic measure and minimal thinness. *Lecture Notes in Mathematics*, 1275:89–112, 1987. CODEN LNMAA2. ISBN 3-540-18356-6 (print), 3-540-47899-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078346/>.

Esterle:1986:RSC

- [Est86] Jean Esterle. Real semigroups in commutative Banach algebras. *Lecture Notes in Mathematics*, 1221:16–35, 1986. CODEN LNMAA2. ISBN 3-540-17186-X (print), 3-540-47344-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099109/>.

Esteban:1988:SRS

- [Est88] Dionisio Pérez Esteban. Semi-rings and spectral spaces. *Lecture Notes in Mathematics*, 1328:219–226, 1988. CODEN LNMAA2. ISBN 3-540-19474-6 (print), 3-540-39278-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100927/>.

Evans:1985:ATD

- [Eva85a] David E. Evans. The C^* -algebras of the two-dimensional Ising model. *Lecture Notes in Mathematics*, 1136:162–176, 1985. CODEN LNMAA2. ISBN 3-540-15661-5 (print), 3-540-39570-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074470/>.

Evans:1985:QPS

- [Eva85b] David E. Evans. Quasi-product states on C^* -algebras. *Lecture Notes in Mathematics*, 1132:129–151, 1985. CODEN LNMAA2. ISBN 3-540-15643-7 (print), 3-540-39514-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074883/>.

Evans:1987:NST

- [Eva87] Lawrence C. Evans. Nonlinear semigroup theory and viscosity solutions of Hamilton–Jacobi PDE. *Lecture Notes in Mathematics*, 1248:63–77, 1987. CODEN LNMAA2. ISBN 3-540-17741-8

(print), 3-540-47791-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077416/>.

Emery:1987:SPL

- [ÉY87] Michel Émery and J. E. Yukich. A simple proof of the logarithmic Sobolev inequality on the circle. *Lecture Notes in Mathematics*, 1247:173–175, 1987. CODEN LNMAA2. ISBN 3-540-17768-X (print), 3-540-47814-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077632/>.

Frigerio:1989:UDN

- [FA89] Alberto Frigerio and Carola Aratari. Unitary dilation of a nonlinear quantum Boltzmann equation. *Lecture Notes in Mathematics*, 1396:89–98, 1989. CODEN LNMAA2. ISBN 3-540-51613-1 (print), 3-540-46713-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083546/>.

Fabes:1988:LPM

- [Fab88] Eugene Fabes. Layer potential methods for boundary value problems on Lipschitz domains. *Lecture Notes in Mathematics*, 1344:55–80, 1988. CODEN LNMAA2. ISBN 3-540-50210-6 (print), 3-540-45952-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0103344/>.

Faber:1989:SRC

- [Fab89] Carel F. Faber. Some results on the codimension-two Chow group of the moduli space of stable curves. *Lecture Notes in Mathematics*, 1389:66–75, 1989. CODEN LNMAA2. ISBN 3-540-51509-7 (print), 3-540-48188-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085924/>.

Factorovich:1989:LBS

- [Fac89] I. Factorovich. Limiting behaviour of the sum of I.I.D. random variables and its terms of greatest moduli in the case of logarithmic type tall function. *Lecture Notes in Mathematics*, 1412:22–32, 1989. CODEN LNMAA2. ISBN 3-540-51948-3 (print), 3-540-46863-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084162/>.

Fadell:1989:TVF

- [Fad89] E. Fadell. Two vignettes in fixed point theory. *Lecture Notes in Mathematics*, 1411:46–51, 1989. CODEN LNMAA2. ISBN 3-540-51932-7 (print), 3-540-46862-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086439/>.

Fajardo:1985:CTG

- [Faj85] Sergio Fajardo. Completeness theorems for the general theory of stochastic processes. *Lecture Notes in Mathematics*, 1130:174–194, 1985. CODEN LNMAA2. ISBN 3-540-15236-9 (print), 3-540-39414-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075311/>.

Faltings:1985:AKM

- [Fal85] G. Faltings. Arithmetische Kompaktifizierung des Modulraums der abelschen Varietäten. (German) []. *Lecture Notes in Mathematics*, 1111:321–383, 1985. CODEN LNMAA2. ISBN 3-540-15195-8 (print), 3-540-39298-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084598/>.

Falkowski:1986:LSK

- [Fal86] B.-J. Falkowski. Levy–Schoenberg kernels on Riemannian symmetric spaces of noncompact type. *Lecture Notes in Mathematics*, 1210:58–67, 1986. CODEN LNMAA2. ISBN 3-540-16806-0 (print), 3-540-44852-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077172/>.

Faltings:1987:ATS

- [Fal87] Gerd Faltings. Arithmetic theory of Siegel modular forms. *Lecture Notes in Mathematics*, 1240:101–108, 1987. CODEN LNMAA2. ISBN 3-540-17669-1 (print), 3-540-47756-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072976/>.

Fannes:1988:AFT

- [Fan88] M. Fannes. An application of de Finetti’s theorem. *Lecture Notes in Mathematics*, 1303:89–102, 1988. CODEN LNMAA2. ISBN 3-540-18919-X (print), 3-540-38846-X (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078056/>.

Fannes:1989:TSS

- [Fan89] M. Fannes. Temperature states of spin-boson models. *Lecture Notes in Mathematics*, 1396:149–157, 1989. CODEN LNMAA2. ISBN 3-540-51613-1 (print), 3-540-46713-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083551/>.

Farjoun:1987:HHD

- [Far87a] Emmanuel Dror Farjoun. Homotopy and homology of diagrams of spaces. *Lecture Notes in Mathematics*, 1286:93–134, 1987. CODEN LNMAA2. ISBN 3-540-18481-3 (print), 3-540-47986-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078739/>.

Farkas:1987:UCH

- [Far87b] H. M. Farkas. Unramified coverings of hyperelliptic Riemann surfaces. *Lecture Notes in Mathematics*, 1275:113–130, 1987. CODEN LNMAA2. ISBN 3-540-18356-6 (print), 3-540-47899-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078347/>.

Faraut:1988:FDB

- [Far88] Jacques Faraut. Formule du binôme généralisée. (French) []. *Lecture Notes in Mathematics*, 1359:170–180, 1988. CODEN LNMAA2. ISBN 3-540-50524-5 (print), 3-540-46032-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086597/>.

Farnsteiner:1989:LTM

- [Far89] Rolf Farnsteiner. Lie theoretic methods in cohomology theory. *Lecture Notes in Mathematics*, 1373:93–110, 1989. CODEN LNMAA2. ISBN 3-540-51147-4 (print), 3-540-46170-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0088890/>.

Fiedler:1986:CSR

- [FB86] B. Fiedler and P. Brunovský. Connections in scalar reaction diffusion equations with Neumann boundary conditions. *Lecture Notes in Mathematics*, 1192:123–128, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076058/>.

Feyel:1989:CNL

- [Fd89] D. Feyel and A. de La Pradelle. Cônes et noyaux locaux. (French) [Cones and local kernels]. *Lecture Notes in Mathematics*, 1393: 96–116, 1989. CODEN LNMAA2. ISBN 3-540-51592-5 (print), 3-540-46675-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085774/>.

Fischbacher:1986:ART

- [FdIP86] U. Fischbacher and J. A. de la Peña. Algorithms in representation theory of algebras. *Lecture Notes in Mathematics*, 1177: 115–134, 1986. CODEN LNMAA2. ISBN 3-540-16432-4 (print), 3-540-39776-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075262/>.

Fefferman:1988:SRD

- [Fef88] Robert Fefferman. Some recent developments in Fourier analysis and H^p theory on product domains — II. *Lecture Notes in Mathematics*, 1302:44–51, 1988. CODEN LNMAA2. ISBN 3-540-18905-X (print), 3-540-38841-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078862/>.

Feistauer:1986:MNS

- [Fei86a] M. Feistauer. Mathematical and numerical study of nonlinear problems in fluid mechanics. *Lecture Notes in Mathematics*, 1192: 3–16, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076047/>.

Feit:1986:BCD

- [Fei86b] Walter Feit. Blocks with cyclic defect groups for some sporadic groups. *Lecture Notes in Mathematics*, 1178:25–63, 1986. CODEN LNMAA2. ISBN 3-540-16433-2 (print), 3-540-39777-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075288/>.

Feinsilver:1989:BF

- [Fei89] Philip Feinsilver. Bernoulli fields. *Lecture Notes in Mathematics*, 1396:158–181, 1989. CODEN LNMAA2. ISBN 3-540-51613-1 (print), 3-540-46713-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083552/>.

Felshtyn:1988:NZF

- [Fel88] A. L. Fel'shtyn. New zeta functions for dynamical systems and Nielsen fixed point theory. *Lecture Notes in Mathematics*, 1346:33–55, 1988. CODEN LNMAA2. ISBN 3-540-50237-8 (print), 3-540-45958-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082770/>.

Fenske:1989:FIP

- [Fen89] Christian C. Fenske. Fuller's index for periodic solutions of functional differential equations. *Lecture Notes in Mathematics*, 1411:69–74, 1989. CODEN LNMAA2. ISBN 3-540-51932-7 (print), 3-540-46862-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086441/>.

Fernique:1985:CMG

- [Fer85a] X. Fernique. Comparaison de mesures gaussiennes et de mesures produit dans les espaces de Fréchet séparables. (French) []. *Lecture Notes in Mathematics*, 1153:179–197, 1985. CODEN LNMAA2. ISBN 3-540-15704-2 (print), 3-540-39645-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074950/>.

Fernique:1985:LRG

- [Fer85b] X. Fernique. Laws of random Gaussian functions, some inequalities. *Lecture Notes in Mathematics*, 1166:60–64, 1985. CODEN LNMAA2. ISBN 3-540-16051-5 (print), 3-540-39736-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074692/>.

Ferreira:1985:OAS

- [Fer85c] Arturo Vaz Ferreira. On Oka's analytic set-valued functions and spectral theory. *Lecture Notes in Mathematics*, 1165:122–135, 1985. CODEN LNMAA2. ISBN 3-540-16050-7 (print), 3-

540-39734-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076149/>.

Ferrier:1986:MPS

- [Fer86] J.-P. Ferrier. H^1 et multiplicités pour le spectre d'une algèbre. (French) []. *Lecture Notes in Mathematics*, 1198:117–132, 1986. CODEN LNMAA2. ISBN 3-540-16762-5 (print), 3-540-38729-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077048/>.

Ferry:1987:EC

- [Fer87] Steven C. Ferry. UV^k -equivalent compacta. *Lecture Notes in Mathematics*, 1283:88–114, 1987. CODEN LNMAA2. ISBN 3-540-18443-0 (print), 3-540-47975-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081421/>.

Fernandez:1988:QKT

- [Fer88a] J. L. Fernández. On qualitative Korovkin theorems with a -distance. *Lecture Notes in Mathematics*, 1354:136–139, 1988. CODEN LNMAA2. ISBN 3-540-50443-5 (print), 3-540-46005-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089590/>.

Fernandez:1988:PDU

- [Fer88b] José L. Fernandez. Problems on distortion under conformal mappings. *Lecture Notes in Mathematics*, 1344:198, 1988. CODEN LNMAA2. ISBN 3-540-50210-6 (print), 3-540-45952-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0103352>.

Ferrand:1988:CQM

- [Fer88c] Jacqueline Ferrand. A characterization of quasiconformal mappings by the behaviour of a function of three points. *Lecture Notes in Mathematics*, 1351:110–123, 1988. CODEN LNMAA2. ISBN 3-540-50370-6 (print), 3-540-45992-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081247/>.

Fernique:1989:RFA

- [Fer89] Xavier Fernique. Régularité de fonctions aléatoires Gaussiennes stationnaires à valeurs vectorielles. (French) []. *Lecture Notes*

in Mathematics, 1391:66–73, 1989. CODEN LNMAA2. ISBN 3-540-51548-8 (print), 3-540-48244-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083381/>.

Franks:1989:LFP

- [FF89] John Franks and David Fried. The Lefschetz function of a point. *Lecture Notes in Mathematics*, 1411:83–87, 1989. CODEN LNMAA2. ISBN 3-540-51932-7 (print), 3-540-46862-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086443/>.

Feigin:1988:MOC

- [FFR88] B. L. Feigin, D. B. Fuchs, and V. S. Retakh. Massey operations in the cohomology of the infinite dimensional Lie algebra L_1 . *Lecture Notes in Mathematics*, 1346:13–31, 1988. CODEN LNMAA2. ISBN 3-540-50237-8 (print), 3-540-45958-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082769/>.

Fernandez:1986:IM

- [FG86] Marisa Fernández and Alfred Gray. The Iwasawa manifold. *Lecture Notes in Mathematics*, 1209:157–159, 1986. CODEN LNMAA2. ISBN 3-540-16801-X (print), 3-540-44844-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076628/>.

Feichtinger:1988:UAA

- [FG88] Hans G. Feichtinger and Karlheinz Gröchenig. A unified approach to atomic decompositions via integrable group representations. *Lecture Notes in Mathematics*, 1302:52–73, 1988. CODEN LNMAA2. ISBN 3-540-18905-X (print), 3-540-38841-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078863/>.

Ferus:1985:GDG

- [FGHS85] Dirk Ferus, Robert B. Gardner, Sigurdur Helgason, and Udo Simon, editors. *Global Differential Geometry and Global Analysis 1984: Proceedings of a Conference held in Berlin, June 10–14, 1984*, volume 1156 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15994-0

(print), 3-540-39698-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1156. URL <http://link.springer.com/book/10.1007/BFb0075080>; <http://www.springerlink.com/content/978-3-540-39698-7>.

Froberg:1986:FFL

- [FGL86] Ralf Fröberg, Tor Gulliksen, and Clas Löfwall. Flat families of local, Artinian algebras with an infinite number of Poincaré series. *Lecture Notes in Mathematics*, 1183:170–191, 1986. CODEN LNMAA2. ISBN 3-540-16453-7 (print), 3-540-39790-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075457/>.

Fadell:1989:ITN

- [FH89] E. Fadell and S. Y. Husseini. Index theory for noncompact group actions with applications to Borsuk–Ulam theorems. *Lecture Notes in Mathematics*, 1411:52–68, 1989. CODEN LNMAA2. ISBN 3-540-51932-7 (print), 3-540-46862-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086440/>.

Frazier:1989:TTL

- [FHJW89] M. Frazier, Y.-S. Han, B. Jawerth, and G. Weiss. The $T1$ theorem for Triebel–Lizorkin spaces. *Lecture Notes in Mathematics*, 1384:168–181, 1989. CODEN LNMAA2. ISBN 3-540-51460-0 (print), 3-540-48134-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086801/>.

Fernique:1986:GSA

- [FHMM86] Xavier Fernique, Bernard Heinkel, Paul-André Meyer, and Michael B. Marcus, editors. *Geometrical and Statistical Aspects of Probability in Banach Spaces: Actes des Journées SMF de Calcul des Probabilités dans les Espaces de Banach, organisées à Strasbourg les 19 et 20 juin 1985*, volume 1193 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 0-387-16487-1, 3-540-16487-1 (print), 3-540-39826-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1193; QA3 .L28 no. 1193 QA273.43. URL <http://link.springer.com/book/10.1007/BFb0077094>; <http://www.springerlink.com/content/978-3-540-39826-4>.

Felix:1986:R

- [FHTT86] Yves Félix, Stephen Halperin, Daniel Tanré, and Jean-Claude Thomas. The radical of $\pi_*(\omega S) \otimes \mathbf{Q}$. *Lecture Notes in Mathematics*, 1183:133–135, 1986. CODEN LNMAA2. ISBN 3-540-16453-7 (print), 3-540-39790-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075455/>.

Fiedler:1988:AG

- [Fie88a] Bernold Fiedler. Appendix on genericity. *Lecture Notes in Mathematics*, 1309:116–134, 1988. CODEN LNMAA2. ISBN 3-540-19234-4 (print), 3-540-39150-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082953/>.

Fiedler:1988:A

- [Fie88b] Bernold Fiedler. Applications. *Lecture Notes in Mathematics*, 1309:92–105, 1988. CODEN LNMAA2. ISBN 3-540-19234-4 (print), 3-540-39150-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082951/>.

Fiedler:1988:D

- [Fie88c] Bernold Fiedler. Discussion. *Lecture Notes in Mathematics*, 1309:106–115, 1988. CODEN LNMAA2. ISBN 3-540-19234-4 (print), 3-540-39150-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082952/>.

Fiedler:1988:GGTb

- [Fie88d] Bernold Fiedler. General global theory. *Lecture Notes in Mathematics*, 1309:84–91, 1988. CODEN LNMAA2. ISBN 3-540-19234-4 (print), 3-540-39150-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082950/>.

Fiedler:1988:GGTa

- [Fie88e] Bernold Fiedler. Generic global theory. *Lecture Notes in Mathematics*, 1309:68–83, 1988. CODEN LNMAA2. ISBN 3-540-19234-4 (print), 3-540-39150-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082949/>.

Fiedler:1988:GLT

- [Fie88f] Bernold Fiedler. Generic local theory. *Lecture Notes in Mathematics*, 1309:48–67, 1988. CODEN LNMAA2. ISBN 3-540-19234-4 (print), 3-540-39150-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082948/>.

Fiedler:1988:I

- [Fie88g] Bernold Fiedler. Introduction. *Lecture Notes in Mathematics*, 1309:1–14, 1988. CODEN LNMAA2. ISBN 3-540-19234-4 (print), 3-540-39150-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082944/>.

Fiedler:1988:MR

- [Fie88h] Bernold Fiedler. Main results. *Lecture Notes in Mathematics*, 1309:15–26, 1988. CODEN LNMAA2. ISBN 3-540-19234-4 (print), 3-540-39150-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082945/>.

Fiedler:1988:NSS

- [Fie88i] Bernold Fiedler. No symmetry — a survey. *Lecture Notes in Mathematics*, 1309:27–34, 1988. CODEN LNMAA2. ISBN 3-540-19234-4 (print), 3-540-39150-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082946/>.

Fiedler:1988:VS

- [Fie88j] Bernold Fiedler. Virtual symmetry. *Lecture Notes in Mathematics*, 1309:35–47, 1988. CODEN LNMAA2. ISBN 3-540-19234-4 (print), 3-540-39150-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082947/>.

Filippi:1985:BIE

- [Fil85] Paul J. T. Filippi. Boundary integral equations for sound radiation by a harmonically vibrating baffled plate. *Lecture Notes in Mathematics*, 1121:113–122, 1985. CODEN LNMAA2. ISBN 3-540-15219-9 (print), 3-540-39377-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076266/>.

Finkelshtein:1988:RNT

- [Fin88a] Andrei Martínez Finkelshtein. On the m -th row of Newton-type (α, β) -PADF tables and singular points. *Lecture Notes in Mathematics*, 1354:178–187, 1988. CODEN LNMAA2. ISBN 3-540-50443-5 (print), 3-540-46005-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089595/>.

Finn:1988:CPC

- [Fin88b] Robert Finn. Comparison principles in capillarity. *Lecture Notes in Mathematics*, 1357:156–197, 1988. CODEN LNMAA2. ISBN 3-540-50508-3 (print), 3-540-46024-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082866/>.

Finn:1988:IG

- [Fin88c] Robert Finn. The inclination of an H -graph. *Lecture Notes in Mathematics*, 1340:40–60, 1988. CODEN LNMAA2. ISBN 3-540-50119-3 (print), 3-540-45932-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082884/>.

Fischbacher:1986:RFA

- [Fis86] U. Fischbacher. The representation-finite algebras with at most 3 simple modules. *Lecture Notes in Mathematics*, 1177:94–114, 1986. CODEN LNMAA2. ISBN 3-540-16432-4 (print), 3-540-39776-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075261/>.

Fischer:1987:AST

- [Fis87a] Jürgen Fischer. *An Approach to the Selberg Trace Formula via the Selberg Zeta-Function*, volume 1253 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-15208-3 (print), 3-540-39331-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). iv + 184 pp. LCCN QA3 .L28 no. 1253. URL <http://link.springer.com/book/10.1007/BFb0077696>; <http://www.springerlink.com/content/978-3-540-39331-3>.

Fischer:1987:BF

- [Fis87b] Jürgen Fischer. Basic facts. *Lecture Notes in Mathematics*, 1253:14–39, 1987. CODEN LNMAA2. ISBN 3-540-15208-3 (print), 3-

540-39331-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077698/>.

Fischer:1987:EFA

- [Fis87c] Jürgen Fischer. The entire function Ξ associated with the Selberg zeta-function. *Lecture Notes in Mathematics*, 1253:113–161, 1987. CODEN LNMAA2. ISBN 3-540-15208-3 (print), 3-540-39331-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077700/>.

Fischer:1987:GST

- [Fis87d] Jürgen Fischer. The general Selberg trace formula. *Lecture Notes in Mathematics*, 1253:162–175, 1987. CODEN LNMAA2. ISBN 3-540-15208-3 (print), 3-540-39331-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077701/>.

Fischer:1987:I

- [Fis87e] Jürgen Fischer. Introduction. *Lecture Notes in Mathematics*, 1253:1–13, 1987. CODEN LNMAA2. ISBN 3-540-15208-3 (print), 3-540-39331-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077697/>.

Fischer:1987:TIR

- [Fis87f] Jürgen Fischer. The trace of the iterated resolvent kernel. *Lecture Notes in Mathematics*, 1253:40–112, 1987. CODEN LNMAA2. ISBN 3-540-15208-3 (print), 3-540-39331-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077699/>.

FitzGerald:1987:AWU

- [Fit87a] Carl H. FitzGerald. Arcs on which a univalent function has small magnitude. *Lecture Notes in Mathematics*, 1275:131–148, 1987. CODEN LNMAA2. ISBN 3-540-18356-6 (print), 3-540-47899-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078348/>.

Fitzgibbon:1987:LSC

- [Fit87b] W. E. Fitzgibbon. Longtime solutions for a class of convection diffusion systems. *Lecture Notes in Mathematics*, 1285:119–125, 1987. CODEN LNMAA2. ISBN 3-540-18479-1 (print), 3-

540-47983-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080587/>.

Fitzsimmons:1988:PTS

- [Fit88] P. J. Fitzsimmons. Penetration times and Skorohod stopping. *Lecture Notes in Mathematics*, 1321:166–174, 1988. CODEN LNMAA2. ISBN 3-540-19351-0 (print), 3-540-39228-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084134/>.

Frazier:1988:TAD

- [FJ88] Michael Frazier and Björn Jawerth. The ϕ -transform and applications to distribution spaces. *Lecture Notes in Mathematics*, 1302:223–246, 1988. CODEN LNMAA2. ISBN 3-540-18905-X (print), 3-540-38841-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078877/>.

Fulling:1987:CFS

- [FK87] S. A. Fulling and G. Kennedy. A closed form for the symbol of the resolvent parametrix of an elliptic operator. *Lecture Notes in Mathematics*, 1285:126–133, 1987. CODEN LNMAA2. ISBN 3-540-18479-1 (print), 3-540-47983-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080588/>.

Fleischer:1988:EMA

- [FK88] Vladimir Fleischer and Ulrich Knauer. Endomorphism monoids of acts are wreath products of monoids with small categories. *Lecture Notes in Mathematics*, 1320:84–96, 1988. CODEN LNMAA2. ISBN 3-540-19347-2 (print), 3-540-39225-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083423/>.

Finashin:1988:NDH

- [FKV88] S. M. Finashin, M. Kreck, and O. Ya. Viro. Non-diffeomorphic but homeomorphic knottings of surfaces in the 4-sphere. *Lecture Notes in Mathematics*, 1346:157–198, 1988. CODEN LNMAA2. ISBN 3-540-50237-8 (print), 3-540-45958-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082777/>.

Finkelshtein:1986:FPE

- [FKZ86] A. M. Finkel'shtein, V. Ya. Kreĭnovich, and R. R. Zapatrin. Fundamental physical equations uniquely determined by their symmetry groups. *Lecture Notes in Mathematics*, 1214:159–170, 1986. CODEN LNMAA2. ISBN 3-540-16821-4 (print), 3-540-47084-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075964/>.

Fagnola:1986:RIM

- [FL86a] F. Fagnola and G. Letta. Sur la représentation intégrale des martingales du processus de Poisson. (French) []. *Lecture Notes in Mathematics*, 1204:28–29, 1986. CODEN LNMAA2. ISBN 3-540-16779-X (print), 3-540-39860-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075707>.

Feinberg:1986:THB

- [FL86b] Martin Feinberg and Richard Lavine. Thermodynamics and the Hahn–Banach theorem. *Lecture Notes in Mathematics*, 1174:115–117, 1986. CODEN LNMAA2. ISBN 3-540-16096-5 (print), 3-540-39760-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076938/>.

Fourati:1987:THC

- [FL87] Sonia Fourati and Erik Lengart. Tribus homogènes et commutation de projections. (French) []. *Lecture Notes in Mathematics*, 1247:276–288, 1987. CODEN LNMAA2. ISBN 3-540-17768-X (print), 3-540-47814-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077642/>.

Flandoli:1987:DBV

- [Fla87] Franco Flandoli. Dirichlet boundary value problem and optimal control for a stochastic distributed parameter system. *Lecture Notes in Mathematics*, 1236:57–71, 1987. CODEN LNMAA2. ISBN 3-540-17211-4 (print), 3-540-47408-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072883/>.

Fleischer:1985:DKR

- [Fle85a] W. Fleischer. Ein Diskrepanzbegriff Für Kompakte Räume. (German) []. *Lecture Notes in Mathematics*, 1114:14–15, 1985. CODEN

LNMAA2. ISBN 3-540-15189-3 (print), 3-540-39281-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101639>.

Fleming:1985:SCA

- [Fle85b] Wendell H. Fleming. A stochastic control approach to some large deviations problems. *Lecture Notes in Mathematics*, 1119:52–66, 1985. CODEN LNMAA2. ISBN 3-540-15217-2 (print), 3-540-39365-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074780/>.

Futaki:1988:OCR

- [FM88] Akito Futaki and Toshiki Mabuchi. An obstruction class and a representation of holomorphic automorphisms. *Lecture Notes in Mathematics*, 1339:127–141, 1988. CODEN LNMAA2. ISBN 3-540-50113-4 (print), 3-540-45930-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083052/>.

Fitzgibbon:1989:PSS

- [FM89] W. E. Fitzgibbon and J. J. Morgan. Positive solutions for semilinear elliptic systems. *Lecture Notes in Mathematics*, 1394:56–67, 1989. CODEN LNMAA2. ISBN 3-540-51594-1 (print), 3-540-46679-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086752/>.

Fukushima:1987:DFR

- [FNT87] M. Fukushima, S. Nakao, and M. Takeda. On Dirichlet forms with random data — recurrence and homogenization. *Lecture Notes in Mathematics*, 1250:87–97, 1987. CODEN LNMAA2. ISBN 3-540-17797-3 (print), 3-540-47835-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077349/>.

Favini:1986:DEB

- [FO86] Angelo Favini and Enrico Obrecht, editors. *Differential Equations in Banach Spaces: Proceedings of a Conference held in Bologna, July 2–5, 1985*, volume 1223 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-17191-6 (print), 3-540-47350-5 (e-book). ISSN 0075-8434 (print),

1617-9692 (electronic). LCCN QA3 .L28 no. 1223. URL <http://link.springer.com/book/10.1007/BFb0099177>; <http://www.springerlink.com/content/978-3-540-47350-3>.

Föllmer:1986:TRW

- [Föll86] H. Föllmer. Time reversal on Wiener space. *Lecture Notes in Mathematics*, 1158:119–129, 1986. CODEN LNMAA2. ISBN 3-540-15998-3 (print), 3-540-39703-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080212/>.

Föllmer:1988:RFD

- [Föll88] Hans Föllmer. Random fields and diffusion processes. *Lecture Notes in Mathematics*, 1362:101–203, 1988. CODEN LNMAA2. ISBN 3-540-50549-0 (print), 3-540-46042-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086180/>.

Fomenko:1988:IPH

- [Fom88a] A. T. Fomenko. Invariant portrait of Hamiltonian integrable in Liouville sense. *Lecture Notes in Mathematics*, 1346:57–76, 1988. CODEN LNMAA2. ISBN 3-540-50237-8 (print), 3-540-45958-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082771/>.

Fomenko:1988:QGT

- [Fom88b] A. T. Fomenko. Qualitative geometrical theory of integrable systems. Classification of isoenergetic surfaces and bifurcation of Liouville tori at the critical energy values. *Lecture Notes in Mathematics*, 1334:221–245, 1988. CODEN LNMAA2. ISBN 3-540-50019-7 (print), 3-540-45894-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080431/>.

Ford:1985:TDL

- [For85] G. W. Ford. Temperature-dependent lamb shift of a quantum oscillator. *Lecture Notes in Mathematics*, 1136:202–206, 1985. CODEN LNMAA2. ISBN 3-540-15661-5 (print), 3-540-39570-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074472/>.

Formanek:1986:GRM

- [For86] Edward Formanek. Generating the ring of matrix invariants. *Lecture Notes in Mathematics*, 1197:73–82, 1986. CODEN LNMAA2. ISBN 3-540-16496-0 (print), 3-540-39833-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076314/>.

Formanek:1987:IM

- [For87] Edward Formanek. The invariants of $n \times n$ matrices. *Lecture Notes in Mathematics*, 1278:18–43, 1987. CODEN LNMAA2. ISBN 3-540-18360-4 (print), 3-540-47908-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078804/>.

Ford:1988:QLE

- [For88a] G. W. Ford. The quantum Langevin equation from the independent-oscillator model. *Lecture Notes in Mathematics*, 1303:103–106, 1988. CODEN LNMAA2. ISBN 3-540-18919-X (print), 3-540-38846-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078057/>.

Forsman:1988:ADH

- [For88b] Klas Forsman. Atomic decompositions in Hardy spaces on bounded Lipschitz domains. *Lecture Notes in Mathematics*, 1302:206–222, 1988. CODEN LNMAA2. ISBN 3-540-18905-X (print), 3-540-38841-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078876/>.

Fountain:1988:FRA

- [Fou88] John Fountain. Free right h -adequate semigroups. *Lecture Notes in Mathematics*, 1320:97–120, 1988. CODEN LNMAA2. ISBN 3-540-19347-2 (print), 3-540-39225-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083424/>.

Fleckinger-Pelle:1985:AES

- [FP85] J. Fleckinger-Pelle. Asymptotics of eigenvalues for some ‘non-definite’ elliptic problems. *Lecture Notes in Mathematics*, 1151:148–156, 1985. CODEN LNMAA2. ISBN 3-540-15694-1 (print),

3-540-39640-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074723/>.

Fasano:1986:NDP

- [FP86] Antonio Fasano and Mario Primicerio, editors. *Nonlinear Diffusion Problems: Lectures given at the 2nd 1985 Session of the Centro Internazionale Matematico Estivo (C.I.M.E.) held at Montecatini Terme, Italy June 10–June 18, 1985*, volume 1224 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-17192-4 (print), 3-540-47352-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3.L28 no. 1224. URL <http://link.springer.com/book/10.1007/BFb0072686>; <http://www.springerlink.com/content/978-3-540-47352-7>.

Fannes:1985:IDC

- [FQ85] M. Fannes and J. Quaegebeur. Infinite divisibility and central limit theorems for completely positive mappings. *Lecture Notes in Mathematics*, 1136:177–201, 1985. CODEN LNMAA2. ISBN 3-540-15661-5 (print), 3-540-39570-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074471/>.

Forg-Rob:1985:PTL

- [FR85] Wolfgang Förg-Rob. The pilgerschritt transform in Lie algebras. *Lecture Notes in Mathematics*, 1163:59–71, 1985. CODEN LNMAA2. ISBN 3-540-16067-1 (print), 3-540-39749-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076418/>.

Falk:1986:RCF

- [FR86] Richard S. Falk and Gerard R. Richter. Remarks on a continuous finite element scheme for hyperbolic equations. *Lecture Notes in Mathematics*, 1230:63–72, 1986. CODEN LNMAA2. ISBN 3-540-17200-9 (print), 3-540-47379-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072671/>.

Franzoni:1986:AC

- [Fra86] T. Franzoni. Abstract Γ -convergence. *Lecture Notes in Mathematics*, 1190:229–241, 1986. CODEN LNMAA2. ISBN 3-540-16476-6

(print), 3-540-39817-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076709/>.

Franek:1989:SIO

- [Fra89] Frantisek Franek. Saturated ideals obtained via restricted iterated collapse of huge cardinals. *Lecture Notes in Mathematics*, 1401:73–96, 1989. CODEN LNMAA2. ISBN 3-540-51730-8 (print), 3-540-46795-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097333/>.

Freese:1985:CCC

- [Fre85] Ralph Freese. Connected components of the covering relation in free lattices. *Lecture Notes in Mathematics*, 1149:82–93, 1985. CODEN LNMAA2. ISBN 3-540-15691-7 (print), 3-540-39638-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098456/>.

Freiman:1987:WSI

- [Fre87] Gregory A. Freiman. What is the structure of K if $K + K$ is small? *Lecture Notes in Mathematics*, 1240:109–134, 1987. CODEN LNMAA2. ISBN 3-540-17669-1 (print), 3-540-47756-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072977/>.

Frehse:1988:RDE

- [Fre88] Jens Frehse. Remarks on diagonal elliptic systems. *Lecture Notes in Mathematics*, 1357:198–210, 1988. CODEN LNMAA2. ISBN 3-540-50508-3 (print), 3-540-46024-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082867/>.

Frey:1989:LBS

- [Fre89] Gerhard Frey. Links between solutions of $A - B = C$ and elliptic curves. *Lecture Notes in Mathematics*, 1380:31–62, 1989. CODEN LNMAA2. ISBN 3-540-51397-3 (print), 3-540-46205-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086544/>.

Friedman:1985:IPO

- [Fri85a] Sy D. Friedman. An immune partition of the ordinals. *Lecture Notes in Mathematics*, 1141:141–147, 1985. CODEN LN-

MAA2. ISBN 3-540-15673-9 (print), 3-540-39596-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076218/>.

Frigerio:1985:CSQ

- [Fri85b] Alberto Frigerio. Construction of stationary quantum Markov processes through quantum stochastic calculus. *Lecture Notes in Mathematics*, 1136:207–222, 1985. CODEN LNMAA2. ISBN 3-540-15661-5 (print), 3-540-39570-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074473/>.

Friedman:1986:FBP

- [Fri86] A. Friedman. Free boundary problems in fluid dynamics. *Lecture Notes in Mathematics*, 1192:17–22, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076048/>.

Fried:1988:CC

- [Fri88a] David Fried. Counting circles. *Lecture Notes in Mathematics*, 1342:196–215, 1988. CODEN LNMAA2. ISBN 3-540-50174-6 (print), 3-540-45946-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082832/>.

Fried:1988:CRR

- [Fri88b] David Fried. Cyclic resultants of reciprocal polynomials. *Lecture Notes in Mathematics*, 1345:124–128, 1988. CODEN LNMAA2. ISBN 3-540-50226-2 (print), 3-540-45957-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081399/>.

Frigerio:1988:QPP

- [Fri88c] Alberto Frigerio. Quantum Poisson processes: Physical motivations and applications. *Lecture Notes in Mathematics*, 1303:107–127, 1988. CODEN LNMAA2. ISBN 3-540-18919-X (print), 3-540-38846-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078058/>.

Frigerio:1989:SAQ

- [Fri89] Alberto Frigerio. Some applications of quantum probability to stochastic differential equations in Hilbert space. *Lecture Notes in Mathematics*, 1390:77–90, 1989. CODEN LNMAA2. ISBN 3-540-51510-0 (print), 3-540-48200-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083938/>.

Forg-Rob:1985:PIO

- [FRN85] Wolfgang Förg-Rob and Norbert Netzer. Product-integration and one-parameter subgroups of linear Lie-groups. *Lecture Notes in Mathematics*, 1163:72–82, 1985. CODEN LNMAA2. ISBN 3-540-16067-1 (print), 3-540-39749-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076419/>.

Frohlich:1985:TRL

- [Frö85] A. Fröhlich. Tame representations, local principal orders and local Weil groups. *Lecture Notes in Mathematics*, 1142:126–149, 1985. CODEN LNMAA2. ISBN 3-540-15674-7 (print), 3-540-39601-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074797/>.

Frolicher:1986:CCC

- [Frö86] Alfred Frölicher. Cartesian closed categories and analysis of smooth maps. *Lecture Notes in Mathematics*, 1174:43–51, 1986. CODEN LNMAA2. ISBN 3-540-16096-5 (print), 3-540-39760-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076933/>.

Fejer:1985:EEE

- [FS85a] Peter A. Fejer and Richard A. Shore. Embeddings and extensions of embeddings in the r.e. tt and wtt-degrees. *Lecture Notes in Mathematics*, 1141:121–140, 1985. CODEN LNMAA2. ISBN 3-540-15673-9 (print), 3-540-39596-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076217/>.

Frangos:1985:CDB

- [FS85b] Nikos E. Frangos and Louis Sucheston. On convergence and demiconvergence of block martingales and submartingales. *Lecture Notes in Mathematics*, 1153:198–225, 1985. CODEN LNMAA2. ISBN 3-540-15704-2 (print), 3-540-39645-4 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074951/>.

Fornaess:1987:PFR

- [FS87] John Erik Fornæss and Nessim Sibony. Plurisubharmonic functions on ring domains. *Lecture Notes in Mathematics*, 1268:111–120, 1987. CODEN LNMAA2. ISBN 3-540-18094-X (print), 3-540-47752-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097300/>.

Flaminio:1988:RRT

- [FS88a] L. Flaminio and R. J. Spatzier. Ratner’s rigidity theorem for geometrically finite Fuchsian groups. *Lecture Notes in Mathematics*, 1342:180–195, 1988. CODEN LNMAA2. ISBN 3-540-50174-6 (print), 3-540-45946-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082831/>.

Freiman:1988:GST

- [FS88b] Gregory A. Freiman and Boris M. Schein. Group and semigroup theoretic considerations inspired by inverse problems of the additive number theory. *Lecture Notes in Mathematics*, 1320:121–140, 1988. CODEN LNMAA2. ISBN 3-540-19347-2 (print), 3-540-39225-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083425/>.

Feinsilver:1989:OAP

- [FS89a] Philip Feinsilver and René Schott. An operator approach to processes on Lie groups. *Lecture Notes in Mathematics*, 1391:59–65, 1989. CODEN LNMAA2. ISBN 3-540-51548-8 (print), 3-540-48244-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083380/>.

Feinsilver:1989:OSP

- [FS89b] Philip Feinsilver and René Schott. Operators, stochastic processes, and Lie groups. *Lecture Notes in Mathematics*, 1379:75–85, 1989. CODEN LNMAA2. ISBN 3-540-51401-5 (print), 3-540-46206-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087846/>.

Felix:1986:OHR

- [FT86a] Y. Félix and J.-C. Thomas. Sur l'opération d'holonomie rationnelle. (French) []. *Lecture Notes in Mathematics*, 1183:136–169, 1986. CODEN LNMAA2. ISBN 3-540-16453-7 (print), 3-540-39790-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075456/>.

Ferguson:1986:PC

- [FT86b] Pamela A. Ferguson and Alexandre Turull. Prime characters. *Lecture Notes in Mathematics*, 1178:64–93, 1986. CODEN LNMAA2. ISBN 3-540-16433-2 (print), 3-540-39777-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075289/>.

Feigin:1987:AT

- [FT87a] B. L. Feigin and B. L. Tsygan. Additive K -theory. *Lecture Notes in Mathematics*, 1289:67–209, 1987. CODEN LNMAA2. ISBN 3-540-18571-2 (print), 3-540-48016-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078368/>.

Feigin:1987:CHA

- [FT87b] B. L. Feigin and B. L. Tsygan. Cyclic homology of algebras with quadratic relations, universal enveloping algebras and group algebras. *Lecture Notes in Mathematics*, 1289:210–239, 1987. CODEN LNMAA2. ISBN 3-540-18571-2 (print), 3-540-48016-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078369/>.

Felix:1988:EPC

- [FT88a] Y. Félix and J. C. Thomas. An Euler–Poincaré characteristic for 1-connected spaces with Noetherian rational cohomology. *Lecture Notes in Mathematics*, 1318:124–137, 1988. CODEN LNMAA2. ISBN 3-540-19340-5 (print), 3-540-39204-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077799/>.

Felix:1988:FAS

- [FT88b] Yves Félix and Daniel Tanré. Formalité d'une application et suite spectrale d'Eilenberg–Moore. (French) []. *Lecture Notes in Mathematics*, 1318:99–123, 1988. CODEN LNMAA2. ISBN

3-540-19340-5 (print), 3-540-39204-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077798/>.

Figari:1987:CLT

- [FTO87] R. Figari, S. Teta, and E. Orlandi. A central limit theorem for the Laplacian in regions with many small holes. *Lecture Notes in Mathematics*, 1250:75–86, 1987. CODEN LNMAA2. ISBN 3-540-17797-3 (print), 3-540-47835-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077348/>.

Fu:1988:IBP

- [Fu88] Hong-Yuan Fu. Initial and boundary problems for the degenerate or singular system of the filtration type. *Lecture Notes in Mathematics*, 1306:69–83, 1988. CODEN LNMAA2. ISBN 3-540-19097-X (print), 3-540-39107-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082925/>.

Fuchs:1986:AMG

- [Fuc86] László Fuchs. An adaptive multi-grid scheme for simulation of flows. *Lecture Notes in Mathematics*, 1228:122–134, 1986. CODEN LNMAA2. ISBN 3-540-17198-3 (print), 3-540-47372-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072644/>.

Fuglede:1986:FFH

- [Fug86] Bent Fuglede. Fonctions finement holomorphes de plusieurs variables — un essai. (French) []. *Lecture Notes in Mathematics*, 1198:133–145, 1986. CODEN LNMAA2. ISBN 3-540-16762-5 (print), 3-540-38729-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077049/>.

Fuglede:1988:FPT

- [Fug88a] Bent Fuglede. Fine potential theory. *Lecture Notes in Mathematics*, 1344:81–97, 1988. CODEN LNMAA2. ISBN 3-540-50210-6 (print), 3-540-45952-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0103345/>.

Fuglede:1988:RRF

- [Fug88b] Bent Fuglede. On the Riesz representation of finely superharmonic functions. *Lecture Notes in Mathematics*, 1344:199–201, 1988. CODEN LNMAA2. ISBN 3-540-50210-6 (print), 3-540-45952-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0103353/>.

Fujiwara:1987:RTK

- [Fuj87] Daisuke Fujiwara. A remark on Taniguchi–Kumanogo theorem for product of Fourier integral operators. *Lecture Notes in Mathematics*, 1256:135–153, 1987. CODEN LNMAA2. ISBN 3-540-17856-2 (print), 3-540-47886-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077741/>.

Fukaya:1986:CSR

- [Fuk86a] Kenji Fukaya. On a compactification of the set of Riemannian manifolds with bounded curvatures and diameters. *Lecture Notes in Mathematics*, 1201:89–107, 1986. CODEN LNMAA2. ISBN 3-540-16770-6 (print), 3-540-38827-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075648/>.

Fukushima:1986:SAM

- [Fuk86b] M. Fukushima. A stochastic approach to the minimum principle for the complex Monge–Ampère operator. *Lecture Notes in Mathematics*, 1203:38–50, 1986. CODEN LNMAA2. ISBN 3-540-16773-0 (print), 3-540-39852-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076871/>.

Fuka:1988:CUF

- [Fuk88a] Jaroslav Fuka. On a class of univalent functions. *Lecture Notes in Mathematics*, 1351:124–139, 1988. CODEN LNMAA2. ISBN 3-540-50370-6 (print), 3-540-45992-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081248/>.

Fukushima:1988:TCS

- [Fuk88b] Masatoshi Fukushima. On two classes of smooth measures for symmetric Markov processes. *Lecture Notes in Mathematics*, 1322:

17–27, 1988. CODEN LNMAA2. ISBN 3-540-19352-9 (print), 3-540-39232-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077863/>.

Funaki:1986:CSP

- [Fun86] Tadahisa Funaki. Construction of stochastic processes associated with the Boltzmann equation and its applications. *Lecture Notes in Mathematics*, 1203:51–65, 1986. CODEN LNMAA2. ISBN 3-540-16773-0 (print), 3-540-39852-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076872/>.

Funaki:1988:HLS

- [Fun88] Tadahisa Funaki. The hydrodynamical limit for scalar Ginzburg–Landau model on R . *Lecture Notes in Mathematics*, 1322:28–36, 1988. CODEN LNMAA2. ISBN 3-540-19352-9 (print), 3-540-39232-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077864/>.

Futaki:1988:AAR

- [Fut88a] Akito Futaki. Aubin’s approach and related results. *Lecture Notes in Mathematics*, 1314:113–132, 1988. CODEN LNMAA2. ISBN 3-540-19250-6 (print), 3-540-39172-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078093/>.

Futaki:1988:CGK

- [Fut88b] Akito Futaki. The character f and its generalization to Kählerian invariants. *Lecture Notes in Mathematics*, 1314:46–55, 1988. CODEN LNMAA2. ISBN 3-540-19250-6 (print), 3-540-39172-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078088/>.

Futaki:1988:CCI

- [Fut88c] Akito Futaki. The character f as a classical invariant. *Lecture Notes in Mathematics*, 1314:68–86, 1988. CODEN LNMAA2. ISBN 3-540-19250-6 (print), 3-540-39172-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078090/>.

Futaki:1988:CMM

- [Fut88d] Akito Futaki. The character f as a moment map. *Lecture Notes in Mathematics*, 1314:99–112, 1988. CODEN LNMAA2. ISBN 3-540-19250-6 (print), 3-540-39172-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078092/>.

Futaki:1988:CO

- [Fut88e] Akito Futaki. The character f as an obstruction. *Lecture Notes in Mathematics*, 1314:56–67, 1988. CODEN LNMAA2. ISBN 3-540-19250-6 (print), 3-540-39172-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078089/>.

Futaki:1988:I

- [Fut88f] Akito Futaki. Introduction. *Lecture Notes in Mathematics*, 1314:1–6, 1988. CODEN LNMAA2. ISBN 3-540-19250-6 (print), 3-540-39172-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078085/>.

Futaki:1988:KEM

- [Fut88g] Akito Futaki. Kähler–Einstein metrics and extremal Kähler metrics. *Lecture Notes in Mathematics*, 1314:31–45, 1988. CODEN LNMAA2. ISBN 3-540-19250-6 (print), 3-540-39172-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078087/>.

Futaki:1988:LGC

- [Fut88h] Akito Futaki. Lifting f to a group character. *Lecture Notes in Mathematics*, 1314:87–98, 1988. CODEN LNMAA2. ISBN 3-540-19250-6 (print), 3-540-39172-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078091/>.

Futaki:1988:P

- [Fut88i] Akito Futaki. Preliminaries. *Lecture Notes in Mathematics*, 1314:7–30, 1988. CODEN LNMAA2. ISBN 3-540-19250-6 (print), 3-540-39172-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078086/>.

Fraley:1989:NSP

- [FV89] C. Fraley and J.-P. Vial. Numerical study of projective methods for linear programming. *Lecture Notes in Mathematics*, 1405:25–38, 1989. CODEN LNMAA2. ISSN 0075-8434 (print), 1617-9692 (electronic).

Fournier:1989:SVM

- [FW89] G. Fournier and M. Willem. Simple variational methods for unbounded potentials. *Lecture Notes in Mathematics*, 1411:75–82, 1989. CODEN LNMAA2. ISBN 3-540-51932-7 (print), 3-540-46862-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086442/>.

Floer:1985:FPR

- [FZ85] A. Floer and E. Zehnder. Fixed point results for symplectic maps related to the Arnold-conjecture. *Lecture Notes in Mathematics*, 1125:47–63, 1985. CODEN LNMAA2. ISBN 3-540-15233-4 (print), 3-540-39411-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075634/>.

Farjoun:1987:HSS

- [FZ87] E. Dror Farjoun and A. Zabrodsky. The homotopy spectral sequence for equivariant function complexes. *Lecture Notes in Mathematics*, 1298:54–81, 1987. CODEN LNMAA2. ISBN 3-540-18729-4 (print), 3-540-48122-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083000/>.

Goerisch:1986:CNM

- [GA86] F. Goerisch and J. Albrecht. The convergence of a new method for calculating lower bounds to eigenvalues. *Lecture Notes in Mathematics*, 1192:303–308, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076085/>.

Gabai:1985:IHM

- [Gab85] David Gabai. An internal hierarchy for 3-manifolds. *Lecture Notes in Mathematics*, 1144:14–17, 1985. CODEN LNMAA2. ISBN 3-540-15680-1 (print), 3-540-39616-0 (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075009/>.

Gago:1988:MGD

- [Gag88] Felipe Gago. Morse germs in S.D.G. *Lecture Notes in Mathematics*, 1348:125–129, 1988. CODEN LNMAA2. ISBN 3-540-50362-5 (print), 3-540-45985-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081354/>.

Gainza:1988:DCP

- [Gai88a] P. Pascual Gainza. Descente cubique pour la K -théorie des faisceaux cohérents et l'homologie de Chow. (French) []. *Lecture Notes in Mathematics*, 1335:161–188, 1988. CODEN LNMAA2. ISBN 3-540-50023-5 (print), 3-540-69984-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085060/>.

Gainza:1988:TMF

- [Gai88b] P. Pascual Gainza. Théorèmes sur la monodromie. (French) []. *Lecture Notes in Mathematics*, 1335:43–58, 1988. CODEN LNMAA2. ISBN 3-540-50023-5 (print), 3-540-69984-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085056/>.

Gajewski:1986:USS

- [Gaj86] H. Gajewski. On uniqueness and stability of steady-state carrier distributions in semiconductors. *Lecture Notes in Mathematics*, 1192:209–214, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076071/>.

Galligo:1985:CSH

- [Gal85] André Galligo. Computations of some Hilbert functions related with Schubert calculus. *Lecture Notes in Mathematics*, 1124:79–97, 1985. CODEN LNMAA2. ISBN 3-540-15232-6 (print), 3-540-39643-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074997/>.

Gallardo:1986:EHT

- [Gal86] Léonard Gallardo. Exemples d'hypergroupes transients. (French) [Examples of transient hypergroups]. *Lecture Notes in Mathemat-*

ics, 1210:68–76, 1986. CODEN LNMAA2. ISBN 3-540-16806-0 (print), 3-540-44852-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077173/>.

Gallardo:1989:RAG

- [Gal89] Léonard Gallardo. Rectification à l'article de L. Gallardo et O. Gebuhrer "Lois de probabilités infiniment divisibles sur les hypergroupes commutatifs discrets dénombrables (Probability Measures on Groups VII Lecture Notes 1064). (French) []. *Lecture Notes in Mathematics*, 1379:86–89, 1989. CODEN LNMAA2. ISBN 3-540-51401-5 (print), 3-540-46206-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087847/>. See [GG84].

Gang:1985:ACB

- [Gan85a] Xiao Gang. Applications canoniques et bicanoniques. (French) []. *Lecture Notes in Mathematics*, 1137:71–88, 1985. CODEN LNMAA2. ISBN 3-540-15662-3 (print), 3-540-39573-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075356/>.

Gang:1985:CFA

- [Gan85b] Xiao Gang. Classification des fibrations avec $q = b + 1$. (French) []. *Lecture Notes in Mathematics*, 1137:34–59, 1985. CODEN LNMAA2. ISBN 3-540-15662-3 (print), 3-540-39573-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075354/>.

Gang:1985:FAP

- [Gan85c] Xiao Gang. Les fibrations avec petits invariants numériques. (French) []. *Lecture Notes in Mathematics*, 1137:60–70, 1985. CODEN LNMAA2. ISBN 3-540-15662-3 (print), 3-540-39573-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075355/>.

Gang:1985:INF

- [Gan85d] Xiao Gang. Les invariants numériques. (French) []. *Lecture Notes in Mathematics*, 1137:16–33, 1985. CODEN LNMAA2. ISBN 3-540-15662-3 (print), 3-540-39573-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075353/>.

Gang:1985:NFG

- [Gan85e] Xiao Gang. Nombre de fibrations de genre 2 d'une surface. (French) []. *Lecture Notes in Mathematics*, 1137:89–96, 1985. CODEN LNMAA2. ISBN 3-540-15662-3 (print), 3-540-39573-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075357/>.

Gang:1985:PF

- [Gan85f] Xiao Gang. Préliminaires. (French) []. *Lecture Notes in Mathematics*, 1137:1–15, 1985. CODEN LNMAA2. ISBN 3-540-15662-3 (print), 3-540-39573-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075352/>.

Gang:1985:SFC

- [Gan85g] Xiao Gang. *Surfaces fibrées en courbes de genre deux*, volume 1137 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15662-3 (print), 3-540-39573-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). x + 103 pp. LCCN QA3 .L28 no. 1137. URL [http://link.springer.com/book/10.1007/BFb0075351](http://link.springer.com/book/10.1007/BFb0075351;); <http://www.springerlink.com/content/978-3-540-39573-7>.

Garling:1986:BMU

- [Gar86a] D. J. H. Garling. Brownian motion and UMD-spaces. *Lecture Notes in Mathematics*, 1221:36–49, 1986. CODEN LNMAA2. ISBN 3-540-17186-X (print), 3-540-47344-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099110/>.

Garsia:1986:ROY

- [Gar86b] A. M. Garsia. Raising operators and Young's rule. *Lecture Notes in Mathematics*, 1234:91–105, 1986. CODEN LNMAA2. ISBN 3-540-17207-6 (print), 3-540-47402-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072511/>.

Gaarding:1987:BM

- [Går87a] Lars Gårding. Back matter. *Lecture Notes in Mathematics*, 1241:??, 1987. CODEN LNMAA2. ISBN 3-540-18001-X (print), 3-540-47216-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (elec-

tronic). URL <http://link.springer.com/content/pdf/bbm:978-3-540-47216-2/1.pdf>.

Gaarding:1987:CVD

- [Går87b] Lars Gårding. Changes of variables and duality for general oscillatory integrals. *Lecture Notes in Mathematics*, 1241:95–103, 1987. CODEN LNMAA2. ISBN 3-540-18001-X (print), 3-540-47216-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073095/>.

Gaarding:1987:FM

- [Går87c] Lars Gårding. Front matter. *Lecture Notes in Mathematics*, 1241:??, 1987. CODEN LNMAA2. ISBN 3-540-18001-X (print), 3-540-47216-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-540-47216-2/1.pdf>.

Gaarding:1987:GPF

- [Går87d] Lars Gårding. A global parametrix for the fundamental solution of a first order hyperbolic pseudodifferential operator. *Lecture Notes in Mathematics*, 1241:85–94, 1987. CODEN LNMAA2. ISBN 3-540-18001-X (print), 3-540-47216-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073094/>.

Gaarding:1987:HJE

- [Går87e] Lars Gårding. The Hamilton–Jacobi equation and symplectic geometry. *Lecture Notes in Mathematics*, 1241:73–84, 1987. CODEN LNMAA2. ISBN 3-540-18001-X (print), 3-540-47216-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073093/>.

Gaarding:1987:HOC

- [Går87f] Lars Gårding. Hyperbolic operators with constant coefficients. *Lecture Notes in Mathematics*, 1241:10–33, 1987. CODEN LNMAA2. ISBN 3-540-18001-X (print), 3-540-47216-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073090/>.

Gaarding:1987:PO

- [Går87g] Lars Gårding. Pseudodifferential operators. *Lecture Notes in Mathematics*, 1241:51–72, 1987. CODEN LNMAA2. ISBN 3-540-18001-X (print), 3-540-47216-9 (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073092/>.

Gaarding:1987:SDF

- [Går87h] Lars Gårding. Sharp and diffuse fronts of paired oscillatory integrals. *Lecture Notes in Mathematics*, 1241:104–123, 1987. CODEN LNMAA2. ISBN 3-540-18001-X (print), 3-540-47216-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073096/>.

Gaarding:1987:SLWa

- [Går87i] Lars Gårding. Singularities in linear wave propagation. *Lecture Notes in Mathematics*, 1241:1–9, 1987. CODEN LNMAA2. ISBN 3-540-18001-X (print), 3-540-47216-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073089/>.

Gaarding:1987:SLWb

- [Går87j] Lars Gårding. *Singularities in Linear Wave Propagation*, volume 1241 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-18001-X (print), 3-540-47216-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). iv + 125 pp. LCCN QA3 .L28 no. 1241. URL [http://link.springer.com/book/10.1007/BFb0073088](http://link.springer.com/book/10.1007/BFb0073088;); <http://www.springerlink.com/content/978-3-540-47216-2>.

Gaarding:1987:WFS

- [Går87k] Lars Gårding. Wave front sets and oscillatory integrals. *Lecture Notes in Mathematics*, 1241:34–50, 1987. CODEN LNMAA2. ISBN 3-540-18001-X (print), 3-540-47216-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073091/>.

Garabedian:1988:MTV

- [Gar88a] Paul R. Garabedian. On the mathematical theory of vortex sheets. *Lecture Notes in Mathematics*, 1340:61–69, 1988. CODEN LNMAA2. ISBN 3-540-50119-3 (print), 3-540-45932-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082885/>.

Garofalo:1988:NEF

- [Gar88b] Nicola Garofalo. New estimates of the fundamental solution and Wiener's criterion for parabolic equations with variable coefficients. *Lecture Notes in Mathematics*, 1340:70–83, 1988. CODEN LNMAA2. ISBN 3-540-50119-3 (print), 3-540-45932-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082886/>.

Garroni:1988:GFI

- [Gar88c] Maria Giovanna Garroni. Green function and invariant density for an integro-differential operator. *Lecture Notes in Mathematics*, 1340:84–94, 1988. CODEN LNMAA2. ISBN 3-540-50119-3 (print), 3-540-45932-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082887/>.

Gautschi:1985:SNA

- [Gau85] Walter Gautschi. Some new applications of orthogonal polynomials. *Lecture Notes in Mathematics*, 1171:63–73, 1985. CODEN LNMAA2. ISBN 3-540-16059-0 (print), 3-540-39743-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076531/>.

Gauthier:1987:UBT

- [Gau87] Paul M. Gauthier. Uniform and better-than-uniform elliptic approximations on unbounded sets. *Lecture Notes in Mathematics*, 1275:149–157, 1987. CODEN LNMAA2. ISBN 3-540-18356-6 (print), 3-540-47899-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078349/>.

Gouyou-Beauchamps:1986:CSD

- [GB86] Dominique Gouyou-Beauchamps. Chemins sous-diagonaux et tableaux de Young. (French) []. *Lecture Notes in Mathematics*, 1234:112–125, 1986. CODEN LNMAA2. ISBN 3-540-17207-6 (print), 3-540-47402-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072513/>.

Gu:1987:DGD

- [GBB87] Chaohao Gu, Marcel Berger, and Robert L. Bryant, editors. *Differential Geometry and Differential Equations: Proceedings of a Symposium, held in Shanghai, June 21 – July 6,*

1985, volume 1255 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-17849-X (print), 3-540-47883-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1255. URL <http://link.springer.com/book/10.1007/BFb0077675>; <http://www.springerlink.com/content/978-3-540-47883-6>.

Gear:1989:DOC

- [Gea89] C. W. Gear. DAEs: ODEs with constraints and invariants. *Lecture Notes in Mathematics*, 1386:54–68, 1989. CODEN LNMAA2. ISBN 3-540-51478-3 (print), 3-540-48144-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089231/>.

Gebuhrer:1986:QPD

- [Geb86] Olivier Gebuhrer. Quelques propriétés du noyau potentiel d'une Marche aléatoire sur les hypergroupes de type Kunze–Stein. (French) []. *Lecture Notes in Mathematics*, 1210:77–83, 1986. CODEN LNMAA2. ISBN 3-540-16806-0 (print), 3-540-44852-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077174/>.

Geigle:1986:KDA

- [Gei86] Werner Geigle. Krull dimension and Artin algebras. *Lecture Notes in Mathematics*, 1177:135–155, 1986. CODEN LNMAA2. ISBN 3-540-16432-4 (print), 3-540-39776-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075263/>.

Gekeler:1986:C

- [Gek86a] Ernst-Ulrich Gekeler. Complements. *Lecture Notes in Mathematics*, 1231:94–100, 1986. CODEN LNMAA2. ISBN 3-540-17201-7 (print), 3-540-47386-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072701/>.

Gekeler:1986:DMC

- [Gek86b] Ernst-Ulrich Gekeler. *Drinfeld Modular Curves*, volume 1231 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-17201-7 (print), 3-540-47386-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic).

xiv + 107 pp. LCCN QA3 .L28 no. 1231. URL <http://link.springer.com/book/10.1007/BFb0072692>; <http://www.springerlink.com/content/978-3-540-47386-2>.

Gekeler:1986:DM

- [Gek86c] Ernst-Ulrich Gekeler. Drinfeld modules. *Lecture Notes in Mathematics*, 1231:2–10, 1986. CODEN LNMAA2. ISBN 3-540-17201-7 (print), 3-540-47386-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072694/>.

Gekeler:1986:DMR

- [Gek86d] Ernst-Ulrich Gekeler. Drinfeld modules of rank 1. *Lecture Notes in Mathematics*, 1231:24–40, 1986. CODEN LNMAA2. ISBN 3-540-17201-7 (print), 3-540-47386-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072697/>.

Gekeler:1986:EAC

- [Gek86e] Ernst-Ulrich Gekeler. Expansions around cusps. *Lecture Notes in Mathematics*, 1231:58–78, 1986. CODEN LNMAA2. ISBN 3-540-17201-7 (print), 3-540-47386-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072699/>.

Gekeler:1986:L

- [Gek86f] Ernst-Ulrich Gekeler. Lattices. *Lecture Notes in Mathematics*, 1231:10–17, 1986. CODEN LNMAA2. ISBN 3-540-17201-7 (print), 3-540-47386-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072695/>.

Gekeler:1986:MC

- [Gek86g] Ernst-Ulrich Gekeler. Modular curves over C . *Lecture Notes in Mathematics*, 1231:40–58, 1986. CODEN LNMAA2. ISBN 3-540-17201-7 (print), 3-540-47386-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072698/>.

Gekeler:1986:MFF

- [Gek86h] Ernst-Ulrich Gekeler. Modular forms and functions. *Lecture Notes in Mathematics*, 1231:78–93, 1986. CODEN LNMAA2. ISBN 3-540-17201-7 (print), 3-540-47386-6 (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072700/>.

Gekeler:1986:N

- [Gek86i] Ernst-Ulrich Gekeler. Notations. *Lecture Notes in Mathematics*, 1231:1–2, 1986. CODEN LNMAA2. ISBN 3-540-17201-7 (print), 3-540-47386-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072693>.

Gekeler:1986:PZF

- [Gek86j] Ernst-Ulrich Gekeler. Partial zeta functions. *Lecture Notes in Mathematics*, 1231:17–24, 1986. CODEN LNMAA2. ISBN 3-540-17201-7 (print), 3-540-47386-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072696/>.

Gelman:1986:CCS

- [Gel86] B. D. Gel'man. On certain classes of selections of many-valued mappings. *Lecture Notes in Mathematics*, 1214:63–84, 1986. CODEN LNMAA2. ISBN 3-540-16821-4 (print), 3-540-47084-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075959/>.

Gelman:1988:SSS

- [Gel88] B. D. Gel'man. On the structure of the set of solutions for inclusions with multivalued operators. *Lecture Notes in Mathematics*, 1334:60–78, 1988. CODEN LNMAA2. ISBN 3-540-50019-7 (print), 3-540-45894-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080423/>.

Gentili:1987:RCG

- [Gen87] Graziano Gentili. Regular complex geodesics for the domain $D_n = \{(z_1, \dots, z_n) \in \mathbf{C}^n : |z_1| + \dots + |z_n| < 1\}$. *Lecture Notes in Mathematics*, 1277:35–45, 1987. CODEN LNMAA2. ISBN 3-540-18355-8 (print), 3-540-47893-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078244/>.

Gerard:1986:COS

- [Gér86a] R. Gérard. Une classe d'opérateurs singuliers non linéaires à singularité régulière. (French) []. *Lecture Notes in Mathematics*,

1198:146–162, 1986. CODEN LNMAA2. ISBN 3-540-16762-5 (print), 3-540-38729-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077050/>.

Gerl:1986:SIR

- [Ger86b] Peter Gerl. Sobolev inequalities and random walks. *Lecture Notes in Mathematics*, 1210:84–96, 1986. CODEN LNMAA2. ISBN 3-540-16806-0 (print), 3-540-44852-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077175/>.

Gerl:1988:AGA

- [Ger88a] Peter Gerl. Amenable groups and amenable graphs. *Lecture Notes in Mathematics*, 1359:181–190, 1988. CODEN LNMAA2. ISBN 3-540-50524-5 (print), 3-540-46032-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086598/>.

Geronimo:1988:POR

- [Ger88b] J. S. Geronimo. Polynomials orthogonal with respect to singular continuous measures. *Lecture Notes in Mathematics*, 1329:32–45, 1988. CODEN LNMAA2. ISBN 3-540-19489-4 (print), 3-540-39295-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083352/>.

Gershkovich:1988:NFD

- [Ger88c] V. Ya. Gershkovich. On normal form of distribution jets. *Lecture Notes in Mathematics*, 1346:77–98, 1988. CODEN LNMAA2. ISBN 3-540-50237-8 (print), 3-540-45958-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082772/>.

Geroldinger:1989:FAI

- [Ger89] Alfred Geroldinger. Factorizations of algebraic integers. *Lecture Notes in Mathematics*, 1380:63–74, 1989. CODEN LNMAA2. ISBN 3-540-51397-3 (print), 3-540-46205-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086545/>.

Gessel:1986:CTL

- [Ges86a] Ira M. Gessel. Counting three-line latin rectangles. *Lecture Notes in Mathematics*, 1234:106–111, 1986. CODEN LNMAA2. ISBN 3-540-17207-6 (print), 3-540-47402-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072512/>.

Gesztesy:1986:STO

- [Ges86b] F. Gesztesy. Scattering theory for one-dimensional systems with nontrivial spatial asymptotics. *Lecture Notes in Mathematics*, 1218:93–122, 1986. CODEN LNMAA2. ISBN 3-540-16826-5 (print), 3-540-47119-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073045/>.

Gali:1985:OCS

- [GESEZ85] I. M. Gali, H. A. El-Saify, and S. A. El-Zahabi. Optimal control of a system governed by hyperbolic operator. *Lecture Notes in Mathematics*, 1151:157–163, 1985. CODEN LNMAA2. ISBN 3-540-15694-1 (print), 3-540-39640-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074724/>.

Gustafsson:1987:FFB

- [GF87] Bertil Gustafsson and Lars Ferm. Far field boundary conditions for steady state solutions to hyperbolic systems. *Lecture Notes in Mathematics*, 1270:238–252, 1987. CODEN LNMAA2. ISBN 3-540-18200-4 (print), 3-540-47805-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078332/>.

Gallardo:1984:LPI

- [GG84] Léonard Gallardo and Olivier Gebuhrer. Lois de probabilité infiniment divisibles sur les hypergroupes commutatifs, discrets, dénombrables. (French) []. *Lecture Notes in Mathematics*, 1064:116–130, 1984. CODEN LNMAA2. ISBN 3-540-13341-0 (print), 3-540-38874-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073638/>. See correction [Gal89].

Geymonat:1985:EEN

- [GG85] G. Geymonat and P. Grisvard. Eigenfunction expansions for non self adjoint operators and separation of variables. *Lecture Notes*

in Mathematics, 1121:123–136, 1985. CODEN LNMAA2. ISBN 3-540-15219-9 (print), 3-540-39377-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076267/>.

GarciaHernandez:1986:HSE

- [GG86] J. L. García Hernández and J. L. Gómez Pardo. Hereditary and semiheditary endomorphism rings. *Lecture Notes in Mathematics*, 1197:83–89, 1986. CODEN LNMAA2. ISBN 3-540-16496-0 (print), 3-540-39833-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076315/>.

Gupta:1987:DSR

- [GGL87] C. K. Gupta, N. D. Gupta, and F. Levin. On dimension subgroups relative to certain product ideals. *Lecture Notes in Mathematics*, 1281:31–35, 1987. CODEN LNMAA2. ISBN 3-540-18399-X (print), 3-540-47948-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078688/>.

Gine:1985:IDR

- [GH85a] Evarist Giné and Marjorie G. Hahn. M -infinitely divisible random compact convex sets. *Lecture Notes in Mathematics*, 1153:226–248, 1985. CODEN LNMAA2. ISBN 3-540-15704-2 (print), 3-540-39645-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074952/>.

Gingold:1985:GSH

- [GH85b] Harry Gingold and Po-Fang Hsieh. A global study of a Hamiltonian system with multi turning points. *Lecture Notes in Mathematics*, 1151:164–171, 1985. CODEN LNMAA2. ISBN 3-540-15694-1 (print), 3-540-39640-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074725/>.

Ghys:1988:CAF

- [Ghy88] Étienne Ghys. Codimension on Anosov flows and suspensions. *Lecture Notes in Mathematics*, 1331:59–72, 1988. CODEN LNMAA2. ISBN 3-540-50016-2 (print), 3-540-45889-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083066/>.

Ganter:1985:VLS

- [GI85] Bernhard Ganter and Thomas Ihringer. Varieties with linear subalgebra geometries. *Lecture Notes in Mathematics*, 1149:94–100, 1985. CODEN LNMAA2. ISBN 3-540-15691-7 (print), 3-540-39638-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098457/>.

Giaquinta:1986:PRM

- [Gia86] M. Giaquinta. Partial regularity of minimizers. *Lecture Notes in Mathematics*, 1192:215–219, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076072/>.

Giambruno:1987:PII

- [Gia87] A. Giambruno. Polynomial identities with involution and the hyperoctahedral group. *Lecture Notes in Mathematics*, 1281:18–25, 1987. CODEN LNMAA2. ISBN 3-540-18399-X (print), 3-540-47948-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078686/>.

Giaquinta:1988:QGC

- [Gia88a] Mariano Giaquinta. Quasiconvexity, growth conditions and partial regularity. *Lecture Notes in Mathematics*, 1357:211–237, 1988. CODEN LNMAA2. ISBN 3-540-50508-3 (print), 3-540-46024-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082868/>.

Giaquinta:1988:SRR

- [Gia88b] Mariano Giaquinta. Some remarks on the regularity of minimizers. *Lecture Notes in Mathematics*, 1340:95–103, 1988. CODEN LNMAA2. ISBN 3-540-50119-3 (print), 3-540-45932-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082888/>.

Gilbert:1987:FGC

- [Gil87] N. D. Gilbert. On the fundamental cat^n -group of an n -cube of spaces. *Lecture Notes in Mathematics*, 1298:124–139, 1987. CODEN LNMAA2. ISBN 3-540-18729-4 (print), 3-540-48122-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083005/>.

Gilman:1988:PBL

- [Gil88] Robert H. Gilman. Periodic behavior of linear automata. *Lecture Notes in Mathematics*, 1342:216–219, 1988. CODEN LNMAA2. ISBN 3-540-50174-6 (print), 3-540-45946-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082833/>.

Gilkey:1989:EIE

- [Gil89a] Peter B. Gilkey. The eta invariant of even order operators. *Lecture Notes in Mathematics*, 1410:202–211, 1989. CODEN LNMAA2. ISBN 3-540-51885-1 (print), 3-540-46858-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086423/>.

Gillard:1989:EFM

- [Gil89b] Roland Gillard. Étude d'une famille modulaire de variétés abéliennes. (French) []. *Lecture Notes in Mathematics*, 1380:75–86, 1989. CODEN LNMAA2. ISBN 3-540-51397-3 (print), 3-540-46205-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086546/>.

Giusti:1985:HMM

- [Giu85] Enrico Giusti, editor. *Harmonic Mappings and Minimal Immersions: Lectures given at the 1st 1984 Session of the Centro Internazionale Matematico Estivo (C.I.M.E.) held at Montecatini, Italy, June 24–July 3, 1984*, volume 1161 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-16040-X (print), 3-540-39716-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3.L28 no. 1161. URL <http://link.springer.com/book/10.1007/BFb0075135>; <http://www.springerlink.com/content/978-3-540-39716-8>.

Giusti:1988:QFS

- [Giu88] Enrico Giusti. Quadratic functionals with splitting coefficients. *Lecture Notes in Mathematics*, 1340:104–114, 1988. CODEN LNMAA2. ISBN 3-540-50119-3 (print), 3-540-45932-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082889/>.

Guddat:1988:POP

- [GJN88] Jürgen Guddat, Hubertus Th. Jongen, and Dieter Nowack. Parametric optimization: Pathfollowing with jumps. *Lecture Notes in Mathematics*, 1354:43–53, 1988. CODEN LNMAA2. ISBN 3-540-50443-5 (print), 3-540-46005-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089582/>.

Greene:1987:BSM

- [GK87a] Robert E. Greene and Steven G. Krantz. Biholomorphic self-maps of domains. *Lecture Notes in Mathematics*, 1276:136–207, 1987. CODEN LNMAA2. ISBN 3-540-18357-4 (print), 3-540-47904-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078959/>.

Greene:1987:CCW

- [GK87b] Robert E. Greene and Steven G. Krantz. Characterizations of certain weakly pseudoconvex domains with non-compact automorphism groups. *Lecture Notes in Mathematics*, 1268:121–157, 1987. CODEN LNMAA2. ISBN 3-540-18094-X (print), 3-540-47752-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097301/>.

Goralcik:1988:UE

- [GK88a] P. Goralčík and V. Koubek. On universality of extensions. *Lecture Notes in Mathematics*, 1320:150–153, 1988. CODEN LNMAA2. ISBN 3-540-19347-2 (print), 3-540-39225-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083427/>.

Gutkin:1988:WMB

- [GK88b] E. Gutkin and A. Katok. Weakly mixing billiards. *Lecture Notes in Mathematics*, 1345:163–176, 1988. CODEN LNMAA2. ISBN 3-540-50226-2 (print), 3-540-45957-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081401/>.

Goecke:1989:EAP

- [GKL89] O. Goecke, B. Korte, and L. Lovász. Examples and algorithmic properties of greedoids. *Lecture Notes in Mathematics*, 1403:113–161, 1989. CODEN LNMAA2. ISBN 3-540-51797-9 (print),

3-540-46810-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083463/>.

Grace:1985:SFR

- [GL85] S. R. Grace and B. S. Lalli. Some further results on oscillatory behavior of solutions of nth order delay differential equations. *Lecture Notes in Mathematics*, 1151:172–182, 1985. CODEN LNMAA2. ISBN 3-540-15694-1 (print), 3-540-39640-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074726/>.

Geigle:1987:CWP

- [GL87] Werner Geigle and Helmut Lenzing. A class of weighted projective curves arising in representation theory of finite dimensional algebras. *Lecture Notes in Mathematics*, 1273:265–297, 1987. CODEN LNMAA2. ISBN 3-540-18263-2 (print), 3-540-47851-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078849/>.

Glass:1985:WIP

- [Gla85] A. M. W. Glass. The word and isomorphism problems in universal algebra. *Lecture Notes in Mathematics*, 1149:123–128, 1985. CODEN LNMAA2. ISBN 3-540-15691-7 (print), 3-540-39638-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098459/>.

Glaz:1989:CA

- [Gla89a] Sarah Glaz. Coherent algebras. *Lecture Notes in Mathematics*, 1371:280–327, 1989. CODEN LNMAA2. ISBN 3-540-51115-6 (print), 3-540-46159-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084578/>.

Glaz:1989:FC

- [Gla89b] Sarah Glaz. Fundamental concepts. *Lecture Notes in Mathematics*, 1371:69–107, 1989. CODEN LNMAA2. ISBN 3-540-51115-6 (print), 3-540-46159-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084573/>.

Glaz:1989:IC

- [Gla89c] Sarah Glaz. Introduction to coherence. *Lecture Notes in Mathematics*, 1371:31–68, 1989. CODEN LNMAA2. ISBN 3-540-51115-

6 (print), 3-540-46159-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084572/>.

Glaz:1989:PCR

[Gla89d] Sarah Glaz. Particular coherent rings. *Lecture Notes in Mathematics*, 1371:190–227, 1989. CODEN LNMAA2. ISBN 3-540-51115-6 (print), 3-540-46159-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084576/>.

Glaz:1989:PR

[Gla89e] Sarah Glaz. Polynomial rings. *Lecture Notes in Mathematics*, 1371:228–279, 1989. CODEN LNMAA2. ISBN 3-540-51115-6 (print), 3-540-46159-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084577/>.

Glaz:1989:P

[Gla89f] Sarah Glaz. Preliminaries. *Lecture Notes in Mathematics*, 1371:1–30, 1989. CODEN LNMAA2. ISBN 3-540-51115-6 (print), 3-540-46159-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084571/>.

Glaz:1989:RCO

[Gla89g] Sarah Glaz. Ring constructions and overrings. *Lecture Notes in Mathematics*, 1371:149–189, 1989. CODEN LNMAA2. ISBN 3-540-51115-6 (print), 3-540-46159-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084575/>.

Glaz:1989:RE

[Gla89h] Sarah Glaz. Ring extensions. *Lecture Notes in Mathematics*, 1371:108–148, 1989. CODEN LNMAA2. ISBN 3-540-51115-6 (print), 3-540-46159-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084574/>.

Gomez:1986:GZR

[GLC86] S. Gómez, A. V. Lévy, and A. Calderon. A global zero residual least squares method. *Lecture Notes in Mathematics*, 1230:

1–10, 1986. CODEN LNMAA2. ISBN 3-540-17200-9 (print), 3-540-47379-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072667/>.

Gliklikh:1986:RPT

- [Gli86] Yu. E. Gliklikh. Riemannian parallel translation, the Itô integral, and stochastic equations on manifolds. *Lecture Notes in Mathematics*, 1214:171–195, 1986. CODEN LNMAA2. ISBN 3-540-16821-4 (print), 3-540-47084-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075965/>.

Gliklikh:1988:GAN

- [Gli88] Yu. E. Gliklikh. Geometrical aspects of Nelson's stochastic quantization. *Lecture Notes in Mathematics*, 1334:246–268, 1988. CODEN LNMAA2. ISBN 3-540-50019-7 (print), 3-540-45894-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080432/>.

Garcia-Lazaro:1985:CFK

- [GLM85] P. García-Lázaro and F. Marcellán. Christoffel formulas for n -kernels associated to Jordan arcs. *Lecture Notes in Mathematics*, 1171:195–203, 1985. CODEN LNMAA2. ISBN 3-540-16059-0 (print), 3-540-39743-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076544/>.

Glover:1987:CMS

- [Glo87] Henry H. Glover. Coloring maps on surfaces. *Lecture Notes in Mathematics*, 1298:140–147, 1987. CODEN LNMAA2. ISBN 3-540-18729-4 (print), 3-540-48122-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083006/>.

Grochenig:1986:UDS

- [GLR86] K. Gröchenig, Viktor Losert, and H. Rindler. Uniform distribution in solvable groups. *Lecture Notes in Mathematics*, 1210:97–107, 1986. CODEN LNMAA2. ISBN 3-540-16806-0 (print), 3-540-44852-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077176/>.

Ghoussoub:1985:RNP

- [GM85a] N. Ghoussoub and B. Maurey. On the Radon–Nikodým property in function spaces. *Lecture Notes in Mathematics*, 1166:65–71, 1985. CODEN LNMAA2. ISBN 3-540-16051-5 (print), 3-540-39736-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074693/>.

Glover:1985:SCM

- [GM85b] H. Glover and G. Mislin. On the stable cohomology of the mapping class group. *Lecture Notes in Mathematics*, 1172:80–84, 1985. CODEN LNMAA2. ISBN 3-540-16061-2 (print), 3-540-39745-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074425/>.

Gil-Medrano:1986:CSI

- [GM86] Olga Gil-Medrano. Connected sums and the infimum of the Yamabe functional. *Lecture Notes in Mathematics*, 1209:160–167, 1986. CODEN LNMAA2. ISBN 3-540-16801-X (print), 3-540-44844-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076629/>.

Gehring:1987:DCG

- [GM87a] F. W. Gehring and G. J. Martin. Discrete convergence groups. *Lecture Notes in Mathematics*, 1275:158–167, 1987. CODEN LNMAA2. ISBN 3-540-18356-6 (print), 3-540-47899-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078350/>.

Goresky:1987:TAT

- [GM87b] M. Goresky and R. MacPherson. On the topology of algebraic torus actions. *Lecture Notes in Mathematics*, 1271:73–90, 1987. CODEN LNMAA2. ISBN 3-540-18234-9 (print), 3-540-47834-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079233/>.

Ghilardi:1988:MTP

- [GM88] S. Ghilardi and G. C. Meloni. Modal and tense predicate logic: Models in presheaves and categorical conceptualization. *Lecture Notes in Mathematics*, 1348:130–142, 1988. CODEN LNMAA2. ISBN 3-540-50362-5 (print), 3-540-45985-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081355/>.

Gomez:1989:SEC

- [GM89] F. Gómez and M. C. Muñoz. Submanifolds with Euclidean complements. *Lecture Notes in Mathematics*, 1410:240–248, 1989. CODEN LNMAA2. ISBN 3-540-51885-1 (print), 3-540-46858-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086426/>.

Gomez-Mont:1988:PCH

- [GMM88] Xavier Gómez-Mont and Jesús Muciño. Persistent cycles for holomorphic foliations having a meromorphic first integral. *Lecture Notes in Mathematics*, 1345:129–162, 1988. CODEN LNMAA2. ISBN 3-540-50226-2 (print), 3-540-45957-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081400/>.

Gill:1986:CNA

- [GMSW86] Philip E. Gill, Walter Murray, Michael A. Saunders, and Margaret H. Wright. Considerations of numerical analysis in a sequential quadratic programming method. *Lecture Notes in Mathematics*, 1230:46–62, 1986. CODEN LNMAA2. ISBN 3-540-17200-9 (print), 3-540-47379-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072670/>.

Graves-Morris:1987:FAS

- [GMW87] P. R. Graves-Morris and J. M. Wilkins. A fast algorithm to solve Kalman’s partial realisation problem for single input, multi-output systems. *Lecture Notes in Mathematics*, 1287:1–20, 1987. CODEN LNMAA2. ISBN 3-540-18500-3 (print), 3-540-47991-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078896/>.

Greiner:1986:ST

- [GN86] Günther Greiner and Rainer Nagel. Spectral theory. *Lecture Notes in Mathematics*, 1184:60–97, 1986. CODEN LNMAA2. ISBN 3-540-16454-5 (print), 3-540-39791-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074925/>.

Godula:1988:IMS

- [GN88] Janusz Godula and Maria Nowak. Integral means of α -strongly starlike functions. *Lecture Notes in Mathematics*, 1351:140–

145, 1988. CODEN LNMAA2. ISBN 3-540-50370-6 (print), 3-540-45992-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081249/>.

Grebogi:1988:BSS

- [GNOY88] Celso Grebogi, Helena E. Nusse, Edward Ott, and James A. Yorke. Basic sets: Sets that determine the dimension of basin boundaries. *Lecture Notes in Mathematics*, 1342:220–250, 1988. CODEN LNMAA2. ISBN 3-540-50174-6 (print), 3-540-45946-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082834/>.

Goberstein:1988:CS

- [Gob88] Simon M. Goberstein. Correspondences of semigroups. *Lecture Notes in Mathematics*, 1320:141–149, 1988. CODEN LNMAA2. ISBN 3-540-19347-2 (print), 3-540-39225-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083426/>.

Godin:1987:ARW

- [God87a] Paul Godin. On the analytic regularity of weak solutions of analytic systems of conservation laws with analytic data. *Lecture Notes in Mathematics*, 1256:154–168, 1987. CODEN LNMAA2. ISBN 3-540-17856-2 (print), 3-540-47886-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077742/>.

Godounov:1987:LCI

- [God87b] S. K. Godounov. Lois de conservation et intégrales d'énergie des équations hyperboliques. (French) []. *Lecture Notes in Mathematics*, 1270:135–149, 1987. CODEN LNMAA2. ISBN 3-540-18200-4 (print), 3-540-47805-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078323/>.

Goldman:1985:RFG

- [Gol85] William M. Goldman. Representations of fundamental groups of surfaces. *Lecture Notes in Mathematics*, 1167:95–117, 1985. CODEN LNMAA2. ISBN 3-540-16053-1 (print), 3-540-39738-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075218/>.

Goldberg:1986:IWM

- [Gol86a] V. V. Goldberg. Isoclinic webs $W(4, 2, 2)$ of maximum 2-rank. *Lecture Notes in Mathematics*, 1209:168–183, 1986. CODEN LNMAA2. ISBN 3-540-16801-X (print), 3-540-44844-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076630/>.

Goldfarb:1986:EPA

- [Gol86b] Donald Goldfarb. Efficient primal algorithms for strictly convex quadratic programs. *Lecture Notes in Mathematics*, 1230:11–25, 1986. CODEN LNMAA2. ISBN 3-540-17200-9 (print), 3-540-47379-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072668/>.

Goldstein:1987:EEN

- [Gol87a] Jerome A. Goldstein. Evolution equations with nonlinear boundary conditions. *Lecture Notes in Mathematics*, 1248:78–84, 1987. CODEN LNMAA2. ISBN 3-540-17741-8 (print), 3-540-47791-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077417/>.

Goldstern:1987:KVG

- [Gol87b] Martin Goldstern. Eine Klasse Vollständig Gleichverteilter Folgen. (German) []. *Lecture Notes in Mathematics*, 1262:37–45, 1987. CODEN LNMAA2. ISBN 3-540-18015-X (print), 3-540-47256-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078594/>.

Goldstern:1987:VGD

- [Gol87c] Martin Goldstern. Vollständige Gleichverteilung in Diskreten Räumen. (German) []. *Lecture Notes in Mathematics*, 1262:46–49, 1987. CODEN LNMAA2. ISBN 3-540-18015-X (print), 3-540-47256-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078595/>.

Golod:1988:SBH

- [Gol88] E. S. Golod. Standard bases and homology. *Lecture Notes in Mathematics*, 1352:88–95, 1988. CODEN LNMAA2. ISBN 3-540-50371-4 (print), 3-540-45994-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082019/>.

Goldberg:1989:LCT

- [Gol89] Vladislav V. Goldberg. On a linearizability condition for a three-web on a two-dimensional manifold. *Lecture Notes in Mathematics*, 1410:223–239, 1989. CODEN LNMAA2. ISBN 3-540-51885-1 (print), 3-540-46858-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086425/>.

Gonzalez:1988:ALF

- [Gon88] Jorge Bustamante González. Approximation by Lipschitz functions and its application to boundary value of Cauchy-type integrals. *Lecture Notes in Mathematics*, 1354:106–110, 1988. CODEN LNMAA2. ISBN 3-540-50443-5 (print), 3-540-46005-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089586/>.

Gootman:1985:AGA

- [Goo85] Elliot C. Gootman. Abelian group actions on type I C^* -algebras. *Lecture Notes in Mathematics*, 1132:152–169, 1985. CODEN LNMAA2. ISBN 3-540-15643-7 (print), 3-540-39514-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074884/>.

Gorostiza:1986:ASG

- [Gor86] Luis G. Gorostiza. Asymptotics and spatial growth of branching random fields. *Lecture Notes in Mathematics*, 1212:124–135, 1986. CODEN LNMAA2. ISBN 3-540-16803-6 (print), 3-540-47053-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076243/>.

Gordon:1988:MIR

- [Gor88] Y. Gordon. On Milman's inequality and random subspaces which escape through a mesh in \mathbf{R}^n . *Lecture Notes in Mathematics*, 1317:84–106, 1988. CODEN LNMAA2. ISBN 3-540-19353-7 (print), 3-540-39235-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081737/>.

Gossez:1988:NNF

- [Gos88] Jean-Pierre Gossez. Nonresonance near the first eigenvalue of a second order elliptic problem. *Lecture Notes in Mathematics*, 1324:97–104, 1988. CODEN LNMAA2. ISBN 3-540-50111-8

(print), 3-540-45928-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100785/>.

Goss:1989:RTT

- [Gos89] David Goss. Report on transcendency in the theory of function fields. *Lecture Notes in Mathematics*, 1383:59–63, 1989. CODEN LNMAA2. ISBN 3-540-51549-6 (print), 3-540-46640-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083569/>.

Gotz:1986:GDB

- [Göt86] Thomas Götz. Generation-dependent branching processes with immigration: convergence of distributions. *Lecture Notes in Mathematics*, 1212:136–144, 1986. CODEN LNMAA2. ISBN 3-540-16803-6 (print), 3-540-47053-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076244/>.

Gottlieb:1988:IPV

- [Got88] Daniel H. Gottlieb. On the index of pullback vector fields. *Lecture Notes in Mathematics*, 1350:167–170, 1988. CODEN LNMAA2. ISBN 3-540-50369-2 (print), 3-540-45990-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081474/>.

Gouvea:1988:GR

- [Gou88a] Fernando Quadros Gouvêa. Galois representations. *Lecture Notes in Mathematics*, 1304:71–116, 1988. CODEN LNMAA2. ISBN 3-540-18946-7 (print), 3-540-38854-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082114/>.

Gouvea:1988:HO

- [Gou88b] Fernando Quadros Gouvêa. The Hecke and U operators. *Lecture Notes in Mathematics*, 1304:30–70, 1988. CODEN LNMAA2. ISBN 3-540-18946-7 (print), 3-540-38854-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082113/>.

Gouvea:1988:AMF

- [Gou88c] Fernando Quadros Gouvêa. p -adic modular forms. *Lecture Notes in Mathematics*, 1304:1–29, 1988. CODEN LNMAA2. ISBN

3-540-18946-7 (print), 3-540-38854-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082112/>.

Glowinski:1985:FEL

- [GP85] R. Glowinski and J. Périaux. Finite element, least squares and domains decomposition methods for the numerical solution of nonlinear problems in fluid dynamics. *Lecture Notes in Mathematics*, 1127:1–114, 1985. CODEN LNMAA2. ISBN 3-540-15225-3 (print), 3-540-39391-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074529/>; <http://link.springer.com/content/pdf/bfm:978-3-540-39391-7/1.pdf>.

Gruson:1987:SCC

- [GP87a] Laurent Gruson and Christian Peskine. Space curves: Complete series and speciality. *Lecture Notes in Mathematics*, 1266:108–123, 1987. CODEN LNMAA2. ISBN 3-540-18020-6 (print), 3-540-47708-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078181/>.

Guillen:1987:HCA

- [GP87b] F. Guillén and F. Puerta. Hyperrésolutions cubiques et applications à la théorie de Hodge–Deligne. (French) []. *Lecture Notes in Mathematics*, 1246:49–74, 1987. CODEN LNMAA2. ISBN 3-540-17743-4 (print), 3-540-47794-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077529/>.

Garcia:1987:DGM

- [GPR87] Pedro Luis García and Antonio Pérez-Rendón, editors. *Differential Geometric Methods in Mathematical Physics: Proceedings of the 14th International Conference held in Salamanca, Spain, June 24–29, 1985*, volume 1251 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-17816-3 (print), 3-540-47854-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1251. URL <http://link.springer.com/book/10.1007/BFb0077312>; <http://www.springerlink.com/content/978-3-540-47854-6>.

Gelbart:1987:F

- [GPS87a] S. Gelbart and I. Piatetski-Shapiro. *L*-functions for $G \times \mathrm{GL}(n)$. *Lecture Notes in Mathematics*, 1254:53–136, 1987. CODEN LNMAA2. ISBN 3-540-17848-1 (print), 3-540-47880-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078127/>.

Gilewicz:1987:RAA

- [GPS87b] Jacek Gilewicz, Maciej Pindor, and Wojciech Siemaszko, editors. *Rational Approximation and its Applications in Mathematics and Physics: Proceedings, Łańcut 1985*, volume 1237 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-17212-2 (print), 3-540-47412-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3.L28 no. 1237. URL <http://link.springer.com/book/10.1007/BFb0072449>; <http://www.springerlink.com/content/978-3-540-47412-8>.

Gelbart:1987:ECA

- [GPSR87] Stephen Gelbart, Ilya Piatetski-Shapiro, and Stephen Rallis. *Explicit Constructions of Automorphic L-Functions*, volume 1254 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-17848-1 (print), 3-540-47880-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). vi + 152 pp. LCCN QA3.L28 no. 1254. URL <http://link.springer.com/book/10.1007/BFb0078125>; <http://www.springerlink.com/content/978-3-540-47880-5>.

Goldberg:1989:CCR

- [GPT89] S. I. Goldberg, D. Perrone, and G. Tóth. Curvature of contact Riemannian three-manifolds with critical metrics. *Lecture Notes in Mathematics*, 1410:212–222, 1989. CODEN LNMAA2. ISBN 3-540-51885-1 (print), 3-540-46858-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086424/>.

Gomez:1985:TES

- [GQS85] C. Gomez, J.-P. Quadrat, and A. Sulem. Towards an expert system in stochastic control: Optimization in the class of local feedbacks. *Lecture Notes in Mathematics*, 1119:67–93, 1985. CODEN LNMAA2. ISBN 3-540-15217-2 (print), 3-540-39365-X (e-book).

ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074781/>.

Galdi:1985:EMUa

- [GR85a] Giovanni P. Galdi and Salvatore Rionero. Energy methods in unbounded domains: The case of a half space. *Lecture Notes in Mathematics*, 1134:14–35, 1985. CODEN LNMAA2. ISBN 3-540-15645-3 (print), 3-540-39523-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075382/>.

Galdi:1985:EMUb

- [GR85b] Giovanni P. Galdi and Salvatore Rionero. Energy methods in unbounded domains: The case of an exterior domain. *Lecture Notes in Mathematics*, 1134:36–48, 1985. CODEN LNMAA2. ISBN 3-540-15645-3 (print), 3-540-39523-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075383/>.

Galdi:1985:ESS

- [GR85c] Giovanni P. Galdi and Salvatore Rionero. Exchange of stabilities, symmetry and the connection between linear and nonlinear stability. *Lecture Notes in Mathematics*, 1134:55–77, 1985. CODEN LNMAA2. ISBN 3-540-15645-3 (print), 3-540-39523-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075385/>.

Galdi:1985:ITS

- [GR85d] Giovanni P. Galdi and Salvatore Rionero. Introductory topics on stability of viscous flows. *Lecture Notes in Mathematics*, 1134:1–13, 1985. CODEN LNMAA2. ISBN 3-540-15645-3 (print), 3-540-39523-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075381/>.

Galdi:1985:SSO

- [GR85e] Giovanni P. Galdi and Salvatore Rionero. Skew-symmetric operators and nonlinear stabilization: The hydromagnetic Bénard problem. *Lecture Notes in Mathematics*, 1134:78–91, 1985. CODEN LNMAA2. ISBN 3-540-15645-3 (print), 3-540-39523-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075386/>.

Galdi:1985:SPS

- [GR85f] Giovanni P. Galdi and Salvatore Rionero. Some properties of steady solutions in exterior domains. *Lecture Notes in Mathematics*, 1134:49–54, 1985. CODEN LNMAA2. ISBN 3-540-15645-3 (print), 3-540-39523-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075384/>.

Galdi:1985:WEMa

- [GR85g] Giovanni P. Galdi and Salvatore Rionero. Weighted energy methods in elastostatics on unbounded domains. *Lecture Notes in Mathematics*, 1134:92–107, 1985. CODEN LNMAA2. ISBN 3-540-15645-3 (print), 3-540-39523-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075387/>.

Galdi:1985:WEMc

- [GR85h] Giovanni P. Galdi and Salvatore Rionero. *Weighted Energy Methods in Fluid Dynamics and Elasticity*, volume 1134 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15645-3 (print), 3-540-39523-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). vii + 126 pp. LCCN QA3 .L28 no. 1134. URL [http://link.springer.com/book/10.1007/BFb0075380](http://link.springer.com/book/10.1007/BFb0075380;); <http://www.springerlink.com/content/978-3-540-39523-2>.

Galdi:1985:WEMb

- [GR85i] Giovanni P. Galdi and Salvatore Rionero. Weighted energy methods in linear elastodynamics in unbounded domains. *Lecture Notes in Mathematics*, 1134:108–119, 1985. CODEN LNMAA2. ISBN 3-540-15645-3 (print), 3-540-39523-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075388/>.

Grupp:1985:FLS

- [GR85j] F. Grupp and H.-E. Richert. The functions of the linear sieve (summary). *Lecture Notes in Mathematics*, 1122:105–114, 1985. CODEN LNMAA2. ISBN 3-540-15222-9 (print), 3-540-39642-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075754/>.

Guadalupe:1985:CAP

- [GR85k] J. J. Guadalupe and M. L. Rezola. Closure of analytic polynomials in weighted Jordan curves. *Lecture Notes in Mathematics*, 1171:204–210, 1985. CODEN LNMAA2. ISBN 3-540-16059-0 (print), 3-540-39743-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076545/>.

Goldstein:1986:SET

- [GR86] Jerome A. Goldstein and Gisèle Ruíz Rieder. Some extensions of Thomas–Fermi theory. *Lecture Notes in Mathematics*, 1223:110–121, 1986. CODEN LNMAA2. ISBN 3-540-17191-6 (print), 3-540-47350-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099187/>.

Goldstein:1987:CPH

- [GR87a] Jerome A. Goldstein and Gisèle Ruíz Rieder. The Coulomb potential in higher dimensions. *Lecture Notes in Mathematics*, 1285:143–149, 1987. CODEN LNMAA2. ISBN 3-540-18479-1 (print), 3-540-47983-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080590/>.

Graham:1987:NMS

- [GR87b] R. Graham and D. Roekaerts. A Nicolai map for supersymmetric quantum mechanics on Riemannian manifolds. *Lecture Notes in Mathematics*, 1250:98–105, 1987. CODEN LNMAA2. ISBN 3-540-17797-3 (print), 3-540-47835-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077350/>.

Goncar:1988:RRA

- [GR88] A. A. Gončar and E. A. Rakhmanov. On the rate of rational approximation of analytic functions. *Lecture Notes in Mathematics*, 1354:25–42, 1988. CODEN LNMAA2. ISBN 3-540-50443-5 (print), 3-540-46005-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089581/>.

Goldstein:1989:RRR

- [GR89] Jerome A. Goldstein and Gisèle Ruíz Rieder. Recent rigorous results in Thomas–Fermi theory. *Lecture Notes in Mathematics*

ics, 1394:68–82, 1989. CODEN LNMAA2. ISBN 3-540-51594-1 (print), 3-540-46679-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086753/>.

Graffi:1985:SOL

- [Gra85a] Sandro Graffi, editor. *Schrödinger Operators: Lectures given at the 2nd 1984 Session of the Centro Internazionale Matematico Estivo (C.I.M.E.) held at Como, Italy, Aug. 26–Sept. 4, 1984*, volume 1159 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-16035-3 (print), 3-540-39706-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1159. URL <http://link.springer.com/book/10.1007/BFb0080330>; <http://www.springerlink.com/content/978-3-540-39706-9>.

Gray:1985:CTV

- [Gra85b] Alfred Gray. Comparison theorems for volumes in surfaces. *Lecture Notes in Mathematics*, 1167:118–124, 1985. CODEN LNMAA2. ISBN 3-540-16053-1 (print), 3-540-39738-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075219/>.

Graffi:1986:CLC

- [Gra86a] Sandro Graffi. Classical limit and canonical perturbation theory. *Lecture Notes in Mathematics*, 1218:123–135, 1986. CODEN LNMAA2. ISBN 3-540-16826-5 (print), 3-540-47119-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073046/>.

Grauert:1986:CAA

- [Gra86b] Hans Grauert, editor. *Complex Analysis and Algebraic Geometry: Proceedings of a Conference held in Göttingen, June 25–July 2, 1985*, volume 1194 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16490-1 (print), 3-540-39829-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1194. URL <http://link.springer.com/book/10.1007/BFb0076989>; <http://www.springerlink.com/content/978-3-540-39829-5>.

Graham:1987:SBI

- [Gra87] C. Robin Graham. Scalar boundary invariants and the Bergman kernel. *Lecture Notes in Mathematics*, 1276:108–135, 1987. CODEN LNMAA2. ISBN 3-540-18357-4 (print), 3-540-47904-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078958/>.

Gray:1989:DS

- [Gra89] Brayton Gray. On the double suspension. *Lecture Notes in Mathematics*, 1370:150–162, 1989. CODEN LNMAA2. ISBN 3-540-51118-0 (print), 3-540-46160-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085226/>.

Gregus:1986:CBV

- [Gre86a] M. Greguš. On a certain boundary value problem of the third order. *Lecture Notes in Mathematics*, 1192:129–132, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076059/>.

Greiner:1986:APSa

- [Gre86b] Günther Greiner. Asymptotics of positive semigroups on $C_o(X)$. *Lecture Notes in Mathematics*, 1184:204–232, 1986. CODEN LNMAA2. ISBN 3-540-16454-5 (print), 3-540-39791-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074930/>.

Greiner:1986:APSB

- [Gre86c] Günther Greiner. Asymptotics of positive semigroups on Banach lattices. *Lecture Notes in Mathematics*, 1184:333–367, 1986. CODEN LNMAA2. ISBN 3-540-16454-5 (print), 3-540-39791-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074934/>.

Greiner:1986:STPa

- [Gre86d] Günther Greiner. Spectral theory of positive semigroups on $C_o(X)$. *Lecture Notes in Mathematics*, 1184:163–203, 1986. CODEN LNMAA2. ISBN 3-540-16454-5 (print), 3-540-39791-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074929/>.

Greiner:1986:STPb

- [Gre86e] Günther Greiner. Spectral theory of positive semigroups on Banach lattices. *Lecture Notes in Mathematics*, 1184:292–332, 1986. CODEN LNMAA2. ISBN 3-540-16454-5 (print), 3-540-39791-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074933/>.

Greven:1986:CIP

- [Gre86f] Andreas Greven. On a class of infinite particle systems evolving in a random environment. *Lecture Notes in Mathematics*, 1212:145–164, 1986. CODEN LNMAA2. ISBN 3-540-16803-6 (print), 3-540-47053-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076245/>.

Greene:1987:CDG

- [Gre87] Robert E. Greene. Complex differential geometry. *Lecture Notes in Mathematics*, 1263:228–288, 1987. CODEN LNMAA2. ISBN 3-540-18012-5 (print), 3-540-47249-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078614/>.

Green:1989:RLS

- [Gre89] Mark Green. Restrictions of linear series to hyperplanes, and some results of Macaulay and Gotzmann. *Lecture Notes in Mathematics*, 1389:76–86, 1989. CODEN LNMAA2. ISBN 3-540-51509-7 (print), 3-540-48188-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085925/>.

Griffor:1985:ALD

- [Gri85a] E. R. Griffor. An application of Π $\frac{1}{2}$ -logic to descriptive set theory. *Lecture Notes in Mathematics*, 1141:148–158, 1985. CODEN LNMAA2. ISBN 3-540-15673-9 (print), 3-540-39596-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076219/>.

Grindrod:1985:MMN

- [Gri85b] P. Grindrod. A model for a myelinated nerve axon. *Lecture Notes in Mathematics*, 1151:183–191, 1985. CODEN LNMAA2. ISBN 3-540-15694-1 (print), 3-540-39640-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074727/>.

Griewank:1986:RCS

- [Gri86a] Andreas Griewank. Rates of convergence for secant methods on nonlinear problems in Hilbert space. *Lecture Notes in Mathematics*, 1230:138–157, 1986. CODEN LNMAA2. ISBN 3-540-17200-9 (print), 3-540-47379-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072677/>.

Grimmett:1986:PPD

- [Gri86b] Geoffrey Grimmett. Percolation processes and dimensionality. *Lecture Notes in Mathematics*, 1212:165–174, 1986. CODEN LNMAA2. ISBN 3-540-16803-6 (print), 3-540-47053-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076246/>.

Grisvard:1986:ASS

- [Gri86c] P. Grisvard. An approach to the singular solutions of elliptic problems via the theory of differential equations in Banach spaces. *Lecture Notes in Mathematics*, 1223:131–155, 1986. CODEN LNMAA2. ISBN 3-540-17191-6 (print), 3-540-47350-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099189/>.

Grove:1985:IIG

- [Gro85] Karsten Grove. The isometry-invariant geodesics problem: Closed and open. *Lecture Notes in Mathematics*, 1167:125–140, 1985. CODEN LNMAA2. ISBN 3-540-16053-1 (print), 3-540-39738-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075220/>.

Groetsch:1986:RLE

- [Gro86a] C. W. Groetsch. Regularization with linear equality constraints. *Lecture Notes in Mathematics*, 1225:168–181, 1986. CODEN LNMAA2. ISBN 3-540-17193-2 (print), 3-540-47353-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072663/>.

Groh:1986:APS

- [Gro86b] Ulrich Groh. Asymptotics of positive semigroups on c^* - and w^* -algebras. *Lecture Notes in Mathematics*, 1184:400–425, 1986. CODEN LNMAA2. ISBN 3-540-16454-5 (print), 3-540-39791-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074938/>.

Groh:1986:BRS

- [Gro86c] Ulrich Groh. Basic results on semigroups and operator algebras. *Lecture Notes in Mathematics*, 1184:369–375, 1986. CODEN LNMAA2. ISBN 3-540-16454-5 (print), 3-540-39791-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074935/>.

Groh:1986:CPS

- [Gro86d] Ulrich Groh. Characterization of positive semigroups on w^* -algebras. *Lecture Notes in Mathematics*, 1184:376–378, 1986. CODEN LNMAA2. ISBN 3-540-16454-5 (print), 3-540-39791-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074936/>.

Groh:1986:STP

- [Gro86e] Ulrich Groh. Spectral theory of positive semigroups on w^* -algebras and their preduals. *Lecture Notes in Mathematics*, 1184:379–399, 1986. CODEN LNMAA2. ISBN 3-540-16454-5 (print), 3-540-39791-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074937/>.

Gromov:1986:LRM

- [Gro86f] M. Gromov. Large Riemannian manifolds. *Lecture Notes in Mathematics*, 1201:108–121, 1986. CODEN LNMAA2. ISBN 3-540-16770-6 (print), 3-540-38827-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075649/>.

Gross:1986:LGT

- [Gro86g] Leonard Gross. Lattice gauge theory; heuristics and convergence. *Lecture Notes in Mathematics*, 1158:130–140, 1986. CODEN LNMAA2. ISBN 3-540-15998-3 (print), 3-540-39703-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080213/>.

Gromov:1987:MVI

- [Gro87a] M. Gromov. Monotonicity of the volume of intersection of balls. *Lecture Notes in Mathematics*, 1267:1–4, 1987. CODEN LNMAA2. ISBN 3-540-18103-2 (print), 3-540-47771-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078131/>.

Gross:1987:AIE

- [Gro87b] Fletcher Gross. Automorphisms of induced extensions. *Lecture Notes in Mathematics*, 1281:26–30, 1987. CODEN LNMAA2. ISBN 3-540-18399-X (print), 3-540-47948-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078687/>.

Grosshans:1987:CIP

- [Gro87c] Frank D. Grosshans. Constructing invariant polynomials via Tschirnhaus transformations. *Lecture Notes in Mathematics*, 1278:95–102, 1987. CODEN LNMAA2. ISBN 3-540-18360-4 (print), 3-540-47908-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078809/>.

Grove:1987:MDG

- [Gro87d] Karsten Grove. Metric differential geometri. *Lecture Notes in Mathematics*, 1263:171–227, 1987. CODEN LNMAA2. ISBN 3-540-18012-5 (print), 3-540-47249-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078613/>.

Gromov:1988:DNL

- [Gro88] M. Gromov. Dimension, non-linear spectra and width. *Lecture Notes in Mathematics*, 1317:132–184, 1988. CODEN LNMAA2. ISBN 3-540-19353-7 (print), 3-540-39235-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081739/>.

Guillot:1988:SCA

- [GRT88] J.-C. Guillot, J. Ralston, and E. Trubowitz. Semi-classical approximations in solid state physics. *Lecture Notes in Mathematics*, 1324:263–269, 1988. CODEN LNMAA2. ISBN 3-540-50111-8 (print), 3-540-45928-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100798/>.

Grubb:1986:TEE

- [Gru86a] Gerd Grubb. Trace estimates for exterior boundary problems associated with the Schrödinger operator. *Lecture Notes in Mathematics*, 1218:136–150, 1986. CODEN LNMAA2. ISBN 3-540-16826-5

(print), 3-540-47119-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073047/>.

Grunbaum:1986:SMP

- [Grü86b] F. Alberto Grünbaum. Some mathematical problems motivated by medical imaging. *Lecture Notes in Mathematics*, 1225:113–141, 1986. CODEN LNMAA2. ISBN 3-540-17193-2 (print), 3-540-47353-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072661/>.

Grubb:1987:CPP

- [Gru87] Gerd Grubb. Complex powers of pseudo-differential boundary value problems with the transmission property. *Lecture Notes in Mathematics*, 1256:169–191, 1987. CODEN LNMAA2. ISBN 3-540-17856-2 (print), 3-540-47886-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077743/>.

Grunbaum:1988:DES

- [Grü88a] F. Alberto Grünbaum. Differential equations in the spectral parameter and multiphase similarity solutions. *Lecture Notes in Mathematics*, 1324:105–117, 1988. CODEN LNMAA2. ISBN 3-540-50111-8 (print), 3-540-45928-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100786/>.

Gruter:1988:MFG

- [Grü88b] Michael Grüter. The monotonicity formula in geometric measure theory, and an application to a partially free boundary problem. *Lecture Notes in Mathematics*, 1357:238–255, 1988. CODEN LNMAA2. ISBN 3-540-50508-3 (print), 3-540-46024-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082869/>.

Gardner:1985:EOD

- [GS85a] Robert B. Gardner and William F. Shadwick. Equivalence of one dimensional Lagrangian field theories in the plane I. *Lecture Notes in Mathematics*, 1156:154–179, 1985. CODEN LNMAA2. ISBN 3-540-15994-0 (print), 3-540-39698-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075089/>.

Guo:1985:SPS

- [GS85b] Ben Yu Guo and B. D. Sleeman. Spatial patterning of the spruce budworm in the presence of defoliation. *Lecture Notes in Mathematics*, 1151:192–203, 1985. CODEN LNMAA2. ISBN 3-540-15694-1 (print), 3-540-39640-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074728/>.

Grimmer:1986:ESR

- [GS86] Ronald Grimmer and Eugenio Sinestrari. The extent of spatial regularity for parabolic integrodifferential equations. *Lecture Notes in Mathematics*, 1223:122–130, 1986. CODEN LNMAA2. ISBN 3-540-17191-6 (print), 3-540-47350-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099188/>.

Ghione:1987:GCL

- [GS87] Franco Ghione and Gianni Sacchiero. Genre d'une courbe lisse tracée sur une variété réglée. (French) []. *Lecture Notes in Mathematics*, 1266:97–107, 1987. CODEN LNMAA2. ISBN 3-540-18020-6 (print), 3-540-47708-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078180/>.

Gordon:1989:MPP

- [GS89] Basil Gordon and Dale Sinor. Multiplicative properties of η -products. *Lecture Notes in Mathematics*, 1395:173–200, 1989. CODEN LNMAA2. ISBN 3-540-51595-X (print), 3-540-46681-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086404/>.

Goerss:1987:AIF

- [GSZ87] P. Goerss, L. Smith, and S. Zarati. Sur les A -algèbres instables. (French) []. *Lecture Notes in Mathematics*, 1298:148–161, 1987. CODEN LNMAA2. ISBN 3-540-18729-4 (print), 3-540-48122-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083007/>.

Garcia:1985:GC

- [GT85a] Octavio C. García and Walter Taylor. Generalized commutativity. *Lecture Notes in Mathematics*, 1149:101–122, 1985. CODEN LNMAA2. ISBN 3-540-15691-7 (print), 3-540-39638-1 (e-book).

ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098458/>.

Gottlieb:1985:TSM

- [GT85b] David Gottlieb and Eli Turkel. Topics in spectral methods. *Lecture Notes in Mathematics*, 1127:115–155, 1985. CODEN LNMAA2. ISBN 3-540-15225-3 (print), 3-540-39391-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074530/>.

Gu:1987:GSE

- [Gu87a] Chaohao Gu. A global study of extremal surfaces in 3-dimensional Minkowski space. *Lecture Notes in Mathematics*, 1255:26–33, 1987. CODEN LNMAA2. ISBN 3-540-17849-X (print), 3-540-47883-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077678/>.

Guillemin:1987:SSP

- [GU87b] V. Guillemin and A. Uribe. Some spectral properties of periodic potentials. *Lecture Notes in Mathematics*, 1256:192–213, 1987. CODEN LNMAA2. ISBN 3-540-17856-2 (print), 3-540-47886-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077744/>.

Gudmundsdottir:1987:RTD

- [Gud87] Gudrun Gudmundsdottir. A regularity theorem for differential equations of constant strength. *Lecture Notes in Mathematics*, 1285:150–154, 1987. CODEN LNMAA2. ISBN 3-540-18479-1 (print), 3-540-47983-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080591/>.

Gudkov:1988:PRP

- [Gud88] D. A. Gudkov. Plane real projective quartic curves. *Lecture Notes in Mathematics*, 1346:341–347, 1988. CODEN LNMAA2. ISBN 3-540-50237-8 (print), 3-540-45958-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082782/>.

Guerre:1985:SS

- [Gue85] Sylvie Guerre. Symmetric sequences in L^p , $1 \leq p < +\infty$. *Lecture Notes in Mathematics*, 1166:72–73, 1985. CODEN LN-

MAA2. ISBN 3-540-16051-5 (print), 3-540-39736-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074694>.

Guerre:1986:AES

- [Gue86] Sylvie Guerre. Almost exchangeable sequences in L^q , $1 \leq q < 2$. *Lecture Notes in Mathematics*, 1193:22–28, 1986. CODEN LNMAA2. ISBN 3-540-16487-1 (print), 3-540-39826-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077097/>.

Guillen:1988:DCC

- [Gui88a] F. Guillén. Descente cubique de la cohomologie de de Rham algébrique. (French) []. *Lecture Notes in Mathematics*, 1335:59–86, 1988. CODEN LNMAA2. ISBN 3-540-50023-5 (print), 3-540-69984-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085057/>.

Guillen:1988:HCF

- [Gui88b] F. Guillén. Hyperrésolutions cubiques. (French) [Cubic hyperresolutions]. *Lecture Notes in Mathematics*, 1335:1–42, 1988. CODEN LNMAA2. ISBN 3-540-50023-5 (print), 3-540-69984-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085055/>.

Gulliksen:1986:NIM

- [Gul86a] Tor H. Gulliksen. A note on intersection multiplicities. *Lecture Notes in Mathematics*, 1183:192–194, 1986. CODEN LNMAA2. ISBN 3-540-16453-7 (print), 3-540-39790-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075458/>.

Gulliksen:1986:RPS

- [Gul86b] Tor H. Gulliksen. Reducing the Poincaré series of local rings to the case of quadratic relations. *Lecture Notes in Mathematics*, 1183:195–198, 1986. CODEN LNMAA2. ISBN 3-540-16453-7 (print), 3-540-39790-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075459/>.

Gulliver:1988:IPH

- [Gul88a] Robert Gulliver. Isoperimetric problems having continua of solutions. *Lecture Notes in Mathematics*, 1357:256–263, 1988. CODEN LNMAA2. ISBN 3-540-50508-3 (print), 3-540-46024-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082870/>.

Gulliver:1988:MSF

- [Gul88b] Robert Gulliver. Minimal surfaces of finite index in manifolds of positive scalar curvature. *Lecture Notes in Mathematics*, 1340:115–122, 1988. CODEN LNMAA2. ISBN 3-540-50119-3 (print), 3-540-45932-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082890/>.

Gupta:1989:ACR

- [Gup89a] C. Kanta Gupta. Automorphisms of certain relatively free solvable groups. *Lecture Notes in Mathematics*, 1398:82–85, 1989. CODEN LNMAA2. ISBN 3-540-51695-6 (print), 3-540-46756-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086242/>.

Gupta:1989:HDS

- [Gup89b] Narain Gupta. Higher dimension subgroups. *Lecture Notes in Mathematics*, 1398:86–93, 1989. CODEN LNMAA2. ISBN 3-540-51695-6 (print), 3-540-46756-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086243/>.

Guralnick:1985:MUG

- [Gur85] Robert M. Guralnick. Modules under ground ring extension. *Lecture Notes in Mathematics*, 1142:150–156, 1985. CODEN LNMAA2. ISBN 3-540-15674-7 (print), 3-540-39601-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074798/>.

Guralnick:1986:DFC

- [Gur86] Robert M. Guralnick. The dimension of the first cohomology group. *Lecture Notes in Mathematics*, 1178:94–97, 1986. CODEN LNMAA2. ISBN 3-540-16433-2 (print), 3-540-39777-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075290/>.

Gustafson:1987:IBV

- [Gus87] Karl Gustafson. Intermittent bifurcation of vortex flows. *Lecture Notes in Mathematics*, 1285:155–161, 1987. CODEN LNMAA2. ISBN 3-540-18479-1 (print), 3-540-47983-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080592/>.

Gutzwiller:1987:MSC

- [Gut87] Martin C. Gutzwiller. Mechanics on a surface of constant negative curvature. *Lecture Notes in Mathematics*, 1240:230–258, 1987. CODEN LNMAA2. ISBN 3-540-17669-1 (print), 3-540-47756-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072983/>.

Gutierrez:1988:FSH

- [Gut88] Carlos Gutiérrez. Foliations on surfaces having exceptional leaves. *Lecture Notes in Mathematics*, 1331:73–85, 1988. CODEN LNMAA2. ISBN 3-540-50016-2 (print), 3-540-45889-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083067/>.

Gomez:1987:CEG

- [GV87] J. Gómez and F. Varela. Sur certaines expressions globales d'une forme volume. (French) []. *Lecture Notes in Mathematics*, 1251:284–300, 1987. CODEN LNMAA2. ISBN 3-540-17816-3 (print), 3-540-47854-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077326/>.

Glockner:1989:RNC

- [GvW89] P. Glockner and W. von Waldenfels. The relations of the non-commutative coefficient algebra of the unitary group. *Lecture Notes in Mathematics*, 1396:182–220, 1989. CODEN LNMAA2. ISBN 3-540-51613-1 (print), 3-540-46713-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083553/>.

Grisvard:1985:SCM

- [GWW85] Pierre Grisvard, Wolfgang L. Wendland, and John R. Whiteman, editors. *Singularities and Constructive Methods for Their Treatment: Proceedings of the Conference held in Oberwolfach, West Germany, November 20–26, 1983*, volume 1121 of *Lecture*

Notes in Mathematics. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15219-9 (print), 3-540-39377-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3.L28 no. 1121. URL <http://link.springer.com/book/10.1007/BFb0076257>; <http://www.springerlink.com/content/978-3-540-39377-1>.

Gyorgyi:1985:PMD

- [Gyö85] Géza Györgyi. The perturbative method for discrete processes and its physical application. *Lecture Notes in Mathematics*, 1163: 83–94, 1985. CODEN LNMAA2. ISBN 3-540-16067-1 (print), 3-540-39749-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076420/>.

Gyongy:1989:SSP

- [Gyö89] I. Gyöngy. The stability of stochastic partial differential equations and applications. Theorems on supports. *Lecture Notes in Mathematics*, 1390:91–118, 1989. CODEN LNMAA2. ISBN 3-540-51510-0 (print), 3-540-48200-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083939/>.

Gine:1986:LCL

- [GZ86a] Evarist Giné and Joel Zinn. Lectures on the central limit theorem for empirical processes. *Lecture Notes in Mathematics*, 1221: 50–113, 1986. CODEN LNMAA2. ISBN 3-540-17186-X (print), 3-540-47344-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099111/>.

Gusein-Zade:1986:EAI

- [GZ86b] S. M. Gusein-Zade. An equivariant analogue of the index of a gradient vector field. *Lecture Notes in Mathematics*, 1214:196–210, 1986. CODEN LNMAA2. ISBN 3-540-16821-4 (print), 3-540-47084-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075966/>.

Gill:1987:efd

- [GZ87a] Tepper L. Gill and W. W. Zachary. Existence and finite-dimensionality of attractors for the Landau–Lifschitz equations.

Lecture Notes in Mathematics, 1285:134–142, 1987. CODEN LNMAA2. ISBN 3-540-18479-1 (print), 3-540-47983-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080589/>.

Gill:1987:NSP

- [GZ87b] Tepper L. Gill and Woodford W. Zachary, editors. *Nonlinear Semigroups, Partial Differential Equations and Attractors: Proceedings of a Symposium held in Washington, D.C., August 5–8, 1985*, volume 1248 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-17741-8 (print), 3-540-47791-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1248. URL <http://link.springer.com/book/10.1007/BFb0077409>; <http://www.springerlink.com/content/978-3-540-47791-4>.

Gine:1989:MCL

- [GZ89] Evarist Giné and Joel Zinn. L_p multipliers in the central limit theorem with p -stable limit. *Lecture Notes in Mathematics*, 1391: 74–81, 1989. CODEN LNMAA2. ISBN 3-540-51548-8 (print), 3-540-48244-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083382/>.

Haagerup:1985:IDC

- [Haa85] Uffe Haagerup. Injectivity and decomposition of completely bounded maps. *Lecture Notes in Mathematics*, 1132:170–222, 1985. CODEN LNMAA2. ISBN 3-540-15643-7 (print), 3-540-39514-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074885/>.

Haas:1987:GMF

- [Haa87] Andrew Haas. The geometry of Markoff forms. *Lecture Notes in Mathematics*, 1240:135–144, 1987. CODEN LNMAA2. ISBN 3-540-17669-1 (print), 3-540-47756-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072978/>.

Haba:1987:SES

- [Hab87] Z. Haba. Stochastic equations for some Euclidean fields. *Lecture Notes in Mathematics*, 1250:106–119, 1987. CODEN LNMAA2. ISBN 3-540-17797-3 (print), 3-540-47835-3 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077351/>.

Haba:1988:SSP

- [Hab88] Z. Haba. Supersymmetry and stochastic processes. *Lecture Notes in Mathematics*, 1325:101–112, 1988. CODEN LNMAA2. ISBN 3-540-50015-4 (print), 3-540-45887-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077919/>.

Hadjiev:1985:FPP

- [Had85] Dimitar I. Hadjiev. The first passage problem for generalized Ornstein–Uhlenbeck-processes with non-positive jumps. *Lecture Notes in Mathematics*, 1123:80–90, 1985. CODEN LNMAA2. ISBN 3-540-15230-X (print), 3-540-39397-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075840/>.

Hadeler:1986:BDP

- [Had86] K. P. Hadeler. Birth and death processes with killing and applications to parasitic infections. *Lecture Notes in Mathematics*, 1212:175–186, 1986. CODEN LNMAA2. ISBN 3-540-16803-6 (print), 3-540-47053-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076247/>.

Hahn:1985:OLF

- [Hah85] Wolfgang Hahn. Über Orthogonalpolynome, die linearen Funktionalgleichungen genügen. (German) []. *Lecture Notes in Mathematics*, 1171:16–35, 1985. CODEN LNMAA2. ISBN 3-540-16059-0 (print), 3-540-39743-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076529/>.

Hahn:1986:ATM

- [Hah86] Alexander J. Hahn. Algebraic K -theory, Morita theory, and the classical groups. *Lecture Notes in Mathematics*, 1185:88–117, 1986. CODEN LNMAA2. ISBN 3-540-16456-1 (print), 3-540-39793-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076172/>.

Hahubia:1989:AEC

- [Hah89] Ts. G. Hahubia. On the adaptive estimation of change points. *Lecture Notes in Mathematics*, 1412:33–49, 1989. CODEN LNMAA2. ISBN 3-540-51948-3 (print), 3-540-46863-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084163/>.

Haiman:1985:LLP

- [Hai85] Mark Haiman. Linear lattice proof theory: an overview. *Lecture Notes in Mathematics*, 1149:129–141, 1985. CODEN LNMAA2. ISBN 3-540-15691-7 (print), 3-540-39638-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098460/>.

Hain:1987:HAM

- [Hai87a] Richard M. Hain. Higher Albanese manifolds. *Lecture Notes in Mathematics*, 1246:84–91, 1987. CODEN LNMAA2. ISBN 3-540-17743-4 (print), 3-540-47794-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077531/>.

Hain:1987:IIM

- [Hai87b] Richard M. Hain. Iterated integrals and mixed Hodge structures on homotopy groups. *Lecture Notes in Mathematics*, 1246:75–83, 1987. CODEN LNMAA2. ISBN 3-540-17743-4 (print), 3-540-47794-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077530/>.

Hajarnavis:1987:HCM

- [Haj87] C. R. Hajarnavis. Homological and Cohen–Macaulay properties in non-commutative Noetherian rings. *Lecture Notes in Mathematics*, 1296:235–246, 1987. CODEN LNMAA2. ISBN 3-540-18690-5 (print), 3-540-48081-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078530/>.

Hajela:1989:ESF

- [Haj89] D. Hajela. Exponential sums and faster than Nyquist signaling. *Lecture Notes in Mathematics*, 1383:64–75, 1989. CODEN LNMAA2. ISBN 3-540-51549-6 (print), 3-540-46640-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083570/>.

Halperin:1986:RI

- [Hal86] Stephen Halperin. The radical of $\pi_*(\omega S) \otimes \mathbf{Q}$, II. *Lecture Notes in Mathematics*, 1183:199–210, 1986. CODEN LNMAA2. ISBN 3-540-16453-7 (print), 3-540-39790-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075460/>.

Hale:1987:ASS

- [Hal87] Jack K. Hale. Asymptotically smooth semigroups and applications. *Lecture Notes in Mathematics*, 1248:85–93, 1987. CODEN LNMAA2. ISBN 3-540-17741-8 (print), 3-540-47791-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077418/>.

Hall:1989:ISS

- [Hal89] Mark E. Hall. An introduction to Schubert submodules. *Lecture Notes in Mathematics*, 1373:111–123, 1989. CODEN LNMAA2. ISBN 3-540-51147-4 (print), 3-540-46170-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0088891/>.

Hanumanthachari:1985:ENT

- [Han85] J. Hanumanthachari. An extended Nagell totient and related Ramanujan sums. *Lecture Notes in Mathematics*, 1122:115–129, 1985. CODEN LNMAA2. ISBN 3-540-15222-9 (print), 3-540-39642-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075755/>.

Handelman:1987:DN

- [Han87a] David E. Handelman. Definitions and notation. *Lecture Notes in Mathematics*, 1282:6–13, 1987. CODEN LNMAA2. ISBN 3-540-18400-7 (print), 3-540-47951-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078911/>.

Handelman:1987:FIS

- [Han87b] David E. Handelman. Factoriality and integral simplicity. *Lecture Notes in Mathematics*, 1282:50–59, 1987. CODEN LNMAA2. ISBN 3-540-18400-7 (print), 3-540-47951-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078916/>.

Handelman:1987:ICC

- [Han87c] David E. Handelman. Integral closure and Cohen–Macaulayness. *Lecture Notes in Mathematics*, 1282:28–40, 1987. CODEN LNMAA2. ISBN 3-540-18400-7 (print), 3-540-47951-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078913/>.

Handelman:1987:Ia

- [Han87d] David E. Handelman. Introduction. *Lecture Notes in Mathematics*, 1282:1–5, 1987. CODEN LNMAA2. ISBN 3-540-18400-7 (print), 3-540-47951-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078910/>.

Handelman:1987:Ib

- [Han87e] David E. Handelman. Isomorphisms. *Lecture Notes in Mathematics*, 1282:67–88, 1987. CODEN LNMAA2. ISBN 3-540-18400-7 (print), 3-540-47951-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078918/>.

Handelman:1987:MII

- [Han87f] David E. Handelman. Meet-irreducible ideals in R_K . *Lecture Notes in Mathematics*, 1282:60–66, 1987. CODEN LNMAA2. ISBN 3-540-18400-7 (print), 3-540-47951-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078917/>.

Handelman:1987:PMF

- [Han87g] David E. Handelman. Projective R_K -modules are free. *Lecture Notes in Mathematics*, 1282:41–43, 1987. CODEN LNMAA2. ISBN 3-540-18400-7 (print), 3-540-47951-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078914/>.

Handelman:1987:RWP

- [Han87h] David E. Handelman. A random walk problem. *Lecture Notes in Mathematics*, 1282:14–27, 1987. CODEN LNMAA2. ISBN 3-540-18400-7 (print), 3-540-47951-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078912/>.

Handelman:1987:SI

- [Han87i] David E. Handelman. States on ideals. *Lecture Notes in Mathematics*, 1282:44–49, 1987. CODEN LNMAA2. ISBN 3-540-18400-7 (print), 3-540-47951-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078915/>.

Hansen:1987:DGP

- [Han87j] Vagn Lundsgaard Hansen, editor. *Differential Geometry: Proceedings of the Nordic Summer School held in Lyngby, Denmark Jul. 29–Aug. 9, 1985*, volume 1263 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-18012-5 (print), 3-540-47249-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1263. URL <http://link.springer.com/book/10.1007/BFb0078607>; <http://www.springerlink.com/content/978-3-540-47249-0>.

Hansen:1988:BSN

- [Han88] Wolfhard Hansen. Balayage spaces — a natural setting for potential theory. *Lecture Notes in Mathematics*, 1344:98–117, 1988. CODEN LNMAA2. ISBN 3-540-50210-6 (print), 3-540-45952-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0103346/>.

Hansen:1989:VPP

- [Han89] Wolfhard Hansen. Valeurs propres pour l'opérateur de Schrödinger. (French) []. *Lecture Notes in Mathematics*, 1393:117–134, 1989. CODEN LNMAA2. ISBN 3-540-51592-5 (print), 3-540-46675-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085775/>.

Happel:1986:DA

- [Hap86] Dieter Happel. Dynkin algebras. *Lecture Notes in Mathematics*, 1220:1–14, 1986. CODEN LNMAA2. ISBN 3-540-17185-1 (print), 3-540-47255-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099501/>.

Happel:1987:RC

- [Hap87] Dieter Happel. Repetitive categories. *Lecture Notes in Mathematics*, 1273:298–317, 1987. CODEN LNMAA2. ISBN 3-540-18263-2

(print), 3-540-47851-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078850/>.

Happel:1989:HCF

- [Hap89] Dieter Happel. Hochschild cohomology of finite-dimensional algebras. *Lecture Notes in Mathematics*, 1404:108–126, 1989. CODEN LNMAA2. ISBN 3-540-51812-6 (print), 3-540-46814-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084073/>.

Harris:1985:IIV

- [Har85a] Joe Harris. An introduction to infinitesimal variations of Hodge structures. *Lecture Notes in Mathematics*, 1111:51–58, 1985. CODEN LNMAA2. ISBN 3-540-15195-8 (print), 3-540-39298-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084584/>.

Hartmann:1985:CS

- [Har85b] F. Hartmann. Castigliano and Sobolev. *Lecture Notes in Mathematics*, 1121:137–152, 1985. CODEN LNMAA2. ISBN 3-540-15219-9 (print), 3-540-39377-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076268/>.

Harris:1986:ISF

- [Har86] T. E. Harris. Isotropic stochastic flows and a related property of non-random potential flows. *Lecture Notes in Mathematics*, 1203:66–74, 1986. CODEN LNMAA2. ISBN 3-540-16773-0 (print), 3-540-39852-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076873/>.

Harbater:1987:GCA

- [Har87a] David Harbater. Galois coverings of the arithmetic line. *Lecture Notes in Mathematics*, 1240:165–195, 1987. CODEN LNMAA2. ISBN 3-540-17669-1 (print), 3-540-47756-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072980/>.

Harnik:1987:CLM

- [Har87b] Victor Harnik. Countable or ω_1 -like models of Presburger's arithmetic. *Lecture Notes in Mathematics*, 1292:89–106, 1987. CODEN

LNMAA2. ISBN 3-540-18674-3 (print), 3-540-48049-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082233/>.

Hart:1987:EO

- [Har87c] Bradd Hart. An exposition of OTOP. *Lecture Notes in Mathematics*, 1292:107–126, 1987. CODEN LNMAA2. ISBN 3-540-18674-3 (print), 3-540-48049-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082234/>.

Harten:1987:PRE

- [Har87d] Ami Harten. Preliminary results on the extension of Eno schemes to two-dimensional problems. *Lecture Notes in Mathematics*, 1270:23–40, 1987. CODEN LNMAA2. ISBN 3-540-18200-4 (print), 3-540-47805-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078315/>.

Hartley:1987:CLF

- [Har87e] B. Hartley. Centralizers in locally finite groups. *Lecture Notes in Mathematics*, 1281:36–51, 1987. CODEN LNMAA2. ISBN 3-540-18399-X (print), 3-540-47948-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078689/>.

Haraux:1988:RRS

- [Har88a] A. Haraux. Recent results on semi-linear hyperbolic problems in bounded domains. *Lecture Notes in Mathematics*, 1324:118–126, 1988. CODEN LNMAA2. ISBN 3-540-50111-8 (print), 3-540-45928-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100787/>.

Harbourne:1988:IBU

- [Har88b] Brian Harbourne. Iterated blow-ups and moduli for rational surfaces. *Lecture Notes in Mathematics*, 1311:101–117, 1988. CODEN LNMAA2. ISBN 3-540-19236-0 (print), 3-540-39157-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082911/>.

Harer:1988:CMS

- [Har88c] John L. Harer. The cohomology of the moduli space of curves. *Lecture Notes in Mathematics*, 1337:138–221, 1988. CODEN LN-

MAA2. ISBN 3-540-50080-4 (print), 3-540-45920-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082808/>.

Haslinger:1985:NIG

- [Has85] Doz. Dr. F. Haslinger. Newton'sche Interpolationspolynome Und Gleichverteilung. (German) [Newton's interpolation polynomials and uniform distribution]. *Lecture Notes in Mathematics*, 1114: 16–18, 1985. CODEN LNMAA2. ISBN 3-540-15189-3 (print), 3-540-39281-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101640/>.

Hattori:1986:ACA

- [Hat86] Akio Hattori. Almost complex S^1 -actions on cohomology complex projective spaces. *Lecture Notes in Mathematics*, 1217:115–122, 1986. CODEN LNMAA2. ISBN 3-540-16824-9 (print), 3-540-47097-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072818/>.

Hattori:1989:CAS

- [Hat89] Akio Hattori. Circle actions on symplectic manifolds. *Lecture Notes in Mathematics*, 1375:89–97, 1989. CODEN LNMAA2. ISBN 3-540-51218-7 (print), 3-540-46178-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085601/>.

Haussmann:1985:LZP

- [Hau85] U. G. Haussmann. L'équation de Zakai et le problème séparé du contrôle optimal stochastique. (French) []. *Lecture Notes in Mathematics*, 1123:37–62, 1985. CODEN LNMAA2. ISBN 3-540-15230-X (print), 3-540-39397-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075838/>.

Hawkes:1987:SEP

- [Haw87] Trevor Hawkes. Subgroup embedding properties. *Lecture Notes in Mathematics*, 1281:52–64, 1987. CODEN LNMAA2. ISBN 3-540-18399-X (print), 3-540-47948-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078690/>.

Hayman:1988:ATA

- [Hay88] W. K. Hayman. Ahlfors' theorem on asymptotic values and some developments from it. *Lecture Notes in Mathematics*, 1351:159–168, 1988. CODEN LNMAA2. ISBN 3-540-50370-6 (print), 3-540-45992-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081251/>.

Hazod:1989:DGC

- [Haz89] W. Hazod. On the decomposability group of a convolution semigroup. *Lecture Notes in Mathematics*, 1391:99–111, 1989. CODEN LNMAA2. ISBN 3-540-51548-8 (print), 3-540-48244-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083384/>.

Heath-Brown:1989:WIH

- [HB89] D. R. Heath-Brown. Weyl's inequality and Hua's inequality. *Lecture Notes in Mathematics*, 1380:87–92, 1989. CODEN LNMAA2. ISBN 3-540-51397-3 (print), 3-540-46205-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086547/>.

He:1989:MSD

- [He89] Yuanjiang He. MD-semigroups, decomposition of point processes, central limit theorems for certain T_2 -semigroups. *Lecture Notes in Mathematics*, 1379:107–124, 1989. CODEN LNMAA2. ISBN 3-540-51401-5 (print), 3-540-46206-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087849/>.

Hegenbarth:1988:TCS

- [Heg88] Friedrich Hegenbarth. On the K -theory of the classifying spaces of the general linear groups over finite fields. *Lecture Notes in Mathematics*, 1350:259–265, 1988. CODEN LNMAA2. ISBN 3-540-50369-2 (print), 3-540-45990-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081479/>.

Heinkel:1985:BLL

- [Hei85] Bernard Heinkel. On Brunk's law of large numbers in some type 2 spaces. *Lecture Notes in Mathematics*, 1153:249–257, 1985. CODEN LNMAA2. ISBN 3-540-15704-2 (print), 3-540-39645-4 (e-

book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074953/>.

Heinkel:1986:AMI

- [Hei86] Bernard Heinkel. An application of a martingale inequality of Dubins and Freedman to the law of large numbers in Banach spaces. *Lecture Notes in Mathematics*, 1193:29–43, 1986. CODEN LNMAA2. ISBN 3-540-16487-1 (print), 3-540-39826-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077098/>.

Heineken:1987:SIG

- [Hei87] Hermann Heineken. Soluble irreducible groups of automorphisms of certain groups of class two. *Lecture Notes in Mathematics*, 1281: 65–72, 1987. CODEN LNMAA2. ISBN 3-540-18399-X (print), 3-540-47948-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078691/>.

Heinonen:1988:NEM

- [Hei88a] Juha Heinonen. Nonlinear elliptic measures. *Lecture Notes in Mathematics*, 1344:202–204, 1988. CODEN LNMAA2. ISBN 3-540-50210-6 (print), 3-540-45952-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0103354/>.

Heinz:1988:QMS

- [Hei88b] Erhard Heinz. On quasi-minimal surfaces. *Lecture Notes in Mathematics*, 1340:139–145, 1988. CODEN LNMAA2. ISBN 3-540-50119-3 (print), 3-540-45932-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082892/>.

Hejhal:1985:CAW

- [Hej85] Dennis A. Hejhal. A classical approach to a well-known spectral correspondence on quaternion groups. *Lecture Notes in Mathematics*, 1135:127–196, 1985. CODEN LNMAA2. ISBN 3-540-15649-6 (print), 3-540-39535-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074604/>.

Hejhal:1988:RGR

- [Hej88] Dennis A. Hejhal. Regular b -groups and repeated Dehn twists. *Lecture Notes in Mathematics*, 1351:169–192, 1988. CODEN LNMAA2. ISBN 3-540-50370-6 (print), 3-540-45992-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081252/>.

Helmberg:1985:IUU

- [Hel85] Gilbert Helmberg. Itineraries under unimodal maps. *Lecture Notes in Mathematics*, 1163:95–100, 1985. CODEN LNMAA2. ISBN 3-540-16067-1 (print), 3-540-39749-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076421/>.

Helson:1986:BM

- [Hel86a] Henry Helson. Back matter. *Lecture Notes in Mathematics*, 1227:??, 1986. CODEN LNMAA2. ISBN 3-540-17197-5 (print), 3-540-47366-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-540-47366-4/1.pdf>.

Helson:1986:BT

- [Hel86b] Henry Helson. Bochner’s theorem. *Lecture Notes in Mathematics*, 1227:42–52, 1986. CODEN LNMAA2. ISBN 3-540-17197-5 (print), 3-540-47366-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101632/>.

Helson:1986:CL

- [Hel86c] Henry Helson. Cocycles on the line. *Lecture Notes in Mathematics*, 1227:76–101, 1986. CODEN LNMAA2. ISBN 3-540-17197-5 (print), 3-540-47366-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101634/>.

Helson:1986:DC

- [Hel86d] Henry Helson. Distribution of cocycles. *Lecture Notes in Mathematics*, 1227:53–75, 1986. CODEN LNMAA2. ISBN 3-540-17197-5 (print), 3-540-47366-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101633/>.

Helson:1986:FM

- [Hel86e] Henry Helson. Front matter. *Lecture Notes in Mathematics*, 1227:??, 1986. CODEN LNMAA2. ISBN 3-540-17197-5 (print), 3-540-47366-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-540-47366-4/1.pdf>.

Helson:1986:MSM

- [Hel86f] Henry Helson. Multiplicity of spectral measures. *Lecture Notes in Mathematics*, 1227:1–22, 1986. CODEN LNMAA2. ISBN 3-540-17197-5 (print), 3-540-47366-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101630/>.

Helson:1986:STa

- [Hel86g] Henry Helson. The spectral theorem. *Lecture Notes in Mathematics*, 1227:23–41, 1986. CODEN LNMAA2. ISBN 3-540-17197-5 (print), 3-540-47366-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101631/>.

Helson:1986:STb

- [Hel86h] Henry Helson. *The Spectral Theorem*, volume 1227 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-17197-5 (print), 3-540-47366-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). vi + 104 pp. LCCN QA3.L28 no. 1227. URL <http://link.springer.com/book/10.1007/BFb0101629>; <http://www.springerlink.com/content/978-3-540-47366-4>.

Hellerstein:1987:RZD

- [Hel87] Simon Hellerstein. Real zeros of derivatives of meromorphic functions and solutions of differential equations — a survey with problems and conjectures. *Lecture Notes in Mathematics*, 1275:197–209, 1987. CODEN LNMAA2. ISBN 3-540-18356-6 (print), 3-540-47899-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078352/>.

Helffer:1988:BM

- [Hel88a] Bernard Helffer. Back matter. *Lecture Notes in Mathematics*, 1336:??, 1988. CODEN LNMAA2. ISBN 3-540-50076-6 (print),

3-540-45913-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-540-45913-2/1.pdf>.

Helffer:1988:BKW

- [Hel88b] Bernard Helffer. B.K.W. construction for a potential near the bottom in the case of non-degenerate minima. *Lecture Notes in Mathematics*, 1336:7–18, 1988. CODEN LNMAA2. ISBN 3-540-50076-6 (print), 3-540-45913-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078117/>.

Helffer:1988:DE

- [Hel88c] Bernard Helffer. The decay of the eigenfunctions. *Lecture Notes in Mathematics*, 1336:19–29, 1988. CODEN LNMAA2. ISBN 3-540-50076-6 (print), 3-540-45913-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078118/>.

Helffer:1988:FM

- [Hel88d] Bernard Helffer. Front matter. *Lecture Notes in Mathematics*, 1336:??, 1988. CODEN LNMAA2. ISBN 3-540-50076-6 (print), 3-540-45913-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-540-45913-2/1.pdf>.

Helffer:1988:GSC

- [Hel88e] Bernard Helffer. Generalities on semi-classical analysis. *Lecture Notes in Mathematics*, 1336:1–6, 1988. CODEN LNMAA2. ISBN 3-540-50076-6 (print), 3-540-45913-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078116/>.

Helffer:1988:IRR

- [Hel88f] Bernard Helffer. An introduction to recent results of Witten. *Lecture Notes in Mathematics*, 1336:61–70, 1988. CODEN LNMAA2. ISBN 3-540-50076-6 (print), 3-540-45913-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078120/>.

Helffer:1988:SOM

- [Hel88g] Bernard Helffer. On Schrödinger operators with magnetic fields. *Lecture Notes in Mathematics*, 1336:79–99, 1988. CODEN LN-

MAA2. ISBN 3-540-50076-6 (print), 3-540-45913-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078122/>.

Helffer:1988:SOP

- [Hel88h] Bernard Helffer. On Schrödinger operators with periodic electric potentials. *Lecture Notes in Mathematics*, 1336:71–78, 1988. CODEN LNMAA2. ISBN 3-540-50076-6 (print), 3-540-45913-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078121/>.

Helffer:1988:SIB

- [Hel88i] Bernard Helffer. Study of interaction between the wells. *Lecture Notes in Mathematics*, 1336:30–60, 1988. CODEN LNMAA2. ISBN 3-540-50076-6 (print), 3-540-45913-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078119/>.

Hellegouarch:1989:PDB

- [Hel89] Yves Hellegouarch. Positive definite binary quadratic forms over $k[X]$. *Lecture Notes in Mathematics*, 1380:93–119, 1989. CODEN LNMAA2. ISBN 3-540-51397-3 (print), 3-540-46205-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086548/>.

Hempel:1985:FGI

- [Hem85] John Hempel. The finitely generated intersection property for Kleinian groups. *Lecture Notes in Mathematics*, 1144:18–24, 1985. CODEN LNMAA2. ISBN 3-540-15680-1 (print), 3-540-39616-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075010/>.

Hemker:1986:DCH

- [Hem86] P. W. Hemker. Defect correction and higher order schemes for the multi grid solution of the steady Euler equations. *Lecture Notes in Mathematics*, 1228:149–165, 1986. CODEN LNMAA2. ISBN 3-540-17198-3 (print), 3-540-47372-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072646/>.

Hennig:1985:YMA

- [Hen85] J. D. Hennig. Yang–Mills aspects of Poincaré gauge theories. *Lecture Notes in Mathematics*, 1139:169–188, 1985. CODEN LN-

MAA2. ISBN 3-540-15666-6 (print), 3-540-39585-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074583/>.

Hennart:1986:NMN

- [Hen86a] J. P. Hennart. Nodal methods for the numerical solution of partial differential equations. *Lecture Notes in Mathematics*, 1230: 175–190, 1986. CODEN LNMAA2. ISBN 3-540-17200-9 (print), 3-540-47379-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072680/>.

Hennart:1986:NAP

- [Hen86b] Jean-Pierre Hennart, editor. *Numerical Analysis: Proceedings of the Fourth IIMAS Workshop held at Guanajuato, Mexico, July 23–27, 1984*, volume 1230 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-17200-9 (print), 3-540-47379-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1230. URL <http://link.springer.com/book/10.1007/BFb0072666>; <http://www.springerlink.com/content/978-3-540-47379-4>.

Hennequin:1986:EEP

- [Hen86c] P. L. Hennequin, editor. *École d'Été de Probabilités de Saint Flour XIV — 1984. (French) []*, volume 1180 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16441-3 (print), 3-540-39781-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1180. URL <http://link.springer.com/book/10.1007/BFb0074917>; <http://www.springerlink.com/content/978-3-540-39781-6>.

Hensz:1989:OSS

- [Hen89a] Ewa Hensz. Orthogonal series and strong laws of large numbers in von Neumann algebras. *Lecture Notes in Mathematics*, 1396:221–228, 1989. CODEN LNMAA2. ISBN 3-540-51613-1 (print), 3-540-46713-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083554/>.

Hensz:1989:SLL

- [Hen89b] Ewa Hensz. Strong laws of large numbers for orthogonal sequences in von Neumann algebras. *Lecture Notes in Mathematics*, 1391:112–124, 1989. CODEN LNMAA2. ISBN 3-540-51548-8 (print), 3-540-48244-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083385/>.

Hernandez:1986:QMN

- [Her86] Jesús Hernández. Qualitative methods for nonlinear diffusion equations. *Lecture Notes in Mathematics*, 1224:47–118, 1986. CODEN LNMAA2. ISBN 3-540-17192-4 (print), 3-540-47352-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072688/>.

Hernandez:1987:PCP

- [Her87a] L. J. Hernández. Proper cohomologies and the proper classification problem. *Lecture Notes in Mathematics*, 1298:171–191, 1987. CODEN LNMAA2. ISBN 3-540-18729-4 (print), 3-540-48122-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083009/>.

Herzog:1987:LCM

- [Her87b] J. Herzog. Linear Cohen–Macaulay modules on integral quadrics. *Lecture Notes in Mathematics*, 1296:214–227, 1987. CODEN LNMAA2. ISBN 3-540-18690-5 (print), 3-540-48081-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078528/>.

Hernandez:1988:CPR

- [Her88a] J. L. García Hernández. Continuous and pf rings of quotients. *Lecture Notes in Mathematics*, 1328:94–105, 1988. CODEN LNMAA2. ISBN 3-540-19474-6 (print), 3-540-39278-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100919/>.

Herrlich:1988:RPM

- [Her88b] Horst Herrlich. On the representability of partial morphisms in top and in related constructs. *Lecture Notes in Mathematics*, 1348:143–153, 1988. CODEN LNMAA2. ISBN 3-540-50362-5 (print), 3-540-45985-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081356/>.

Herron:1988:MBC

- [Her88c] David A. Herron. Metric boundary conditions for plane domains. *Lecture Notes in Mathematics*, 1351:193–200, 1988. CODEN LNMAA2. ISBN 3-540-50370-6 (print), 3-540-45992-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081253/>.

Hernandez:1989:ARS

- [Her89] R. Hernandez. Appendix to “On regular and stable ruled surfaces in P^3 ”. *Lecture Notes in Mathematics*, 1389:16–18, 1989. CODEN LNMAA2. ISBN 3-540-51509-7 (print), 3-540-48188-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085920/>.

Hesselink:1986:DFR

- [Hes86] Wim H. Hesselink. Dimension formulas related to a tame quiver. *Lecture Notes in Mathematics*, 1220:15–24, 1986. CODEN LNMAA2. ISBN 3-540-17185-1 (print), 3-540-47255-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099502/>.

Heyer:1986:PMG

- [Hey86] Herbert Heyer, editor. *Probability Measures on Groups VIII: Proceedings of a Conference held in Oberwolfach, November 10–16, 1985*, volume 1210 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 0-387-16806-0, 3-540-16806-0 (print), 3-540-44852-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1210. URL <http://link.springer.com/book/10.1007/BFb0077166>; <http://www.springerlink.com/content/978-3-540-44852-5>.

Hanin:1989:PUB

- [HGYR89] L. G. Hanin, R. E. Goot, A. Yu. Yakovlev, and S. T. Rachev. Precise upper bounds for the functionals describing tumour treatment efficiency. *Lecture Notes in Mathematics*, 1412:50–67, 1989. CODEN LNMAA2. ISBN 3-540-51948-3 (print), 3-540-46863-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084164/>.

Hartshorne:1985:SAS

- [HH85] R. Hartshorne and A. Hirschowitz. Smoothing algebraic space curves. *Lecture Notes in Mathematics*, 1124:98–131, 1985. CO-

DEN LNMAA2. ISBN 3-540-15232-6 (print), 3-540-39643-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074998/>.

Hirschowitz:1986:CFS

- [HH86] A. Hirschowitz and K. Hulek. Complete families of stable vector bundles over \mathbf{P}_2 . *Lecture Notes in Mathematics*, 1194:19–33, 1986. CODEN LNMAA2. ISBN 3-540-16490-1 (print), 3-540-39829-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076992/>.

Hida:1989:IDR

- [Hid89] Takeyuki Hida. Infinite dimensional rotation group and unitary group. *Lecture Notes in Mathematics*, 1379:125–134, 1989. CODEN LNMAA2. ISBN 3-540-51401-5 (print), 3-540-46206-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087850/>.

Higgs:1985:IAL

- [Hig85] Denis Higgs. Interpolation antichains in lattices. *Lecture Notes in Mathematics*, 1149:142–149, 1985. CODEN LNMAA2. ISBN 3-540-15691-7 (print), 3-540-39638-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098461/>.

Higuchi:1987:PTD

- [Hig87] Yasunari Higuchi. Percolation of the two-dimensional Ising model. *Lecture Notes in Mathematics*, 1250:120–127, 1987. CODEN LNMAA2. ISBN 3-540-17797-3 (print), 3-540-47835-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077352/>.

Hildebrandt:1985:HMR

- [Hil85a] Stefan Hildebrandt. Harmonic mappings of Riemannian manifolds. *Lecture Notes in Mathematics*, 1161:1–117, 1985. CODEN LNMAA2. ISBN 3-540-16040-X (print), 3-540-39716-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075136/>; <http://link.springer.com/content/pdf/bfm:978-3-540-39716-8/1.pdf>.

Hilsum:1985:SOL

- [Hil85b] Michel Hilsum. Signature operator on Lipschitz manifolds and unbounded Kasparov bimodules. *Lecture Notes in Mathematics*, 1132:254–288, 1985. CODEN LNMAA2. ISBN 3-540-15643-7 (print), 3-540-39514-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074888/>.

Hildebrand:1989:SNA

- [Hil89] Adolf Hildebrand. Some new applications of the large sieve. *Lecture Notes in Mathematics*, 1383:76–88, 1989. CODEN LNMAA2. ISBN 3-540-51549-6 (print), 3-540-46640-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083571/>.

Hineva:1985:SSF

- [Hin85] Stefana Hineva. Submanifolds and the second fundamental tensor. *Lecture Notes in Mathematics*, 1156:194–203, 1985. CODEN LNMAA2. ISBN 3-540-15994-0 (print), 3-540-39698-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075091/>.

Hinz:1987:BES

- [Hin87] Andreas M. Hinz. Behavior of eigenfunctions and the spectrum of Schrödinger operators. *Lecture Notes in Mathematics*, 1285:175–179, 1987. CODEN LNMAA2. ISBN 3-540-18479-1 (print), 3-540-47983-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080595/>.

Hindman:1989:URT

- [Hin89] Neil Hindman. Ultrafilters and Ramsey theory — an update. *Lecture Notes in Mathematics*, 1401:97–118, 1989. CODEN LNMAA2. ISBN 3-540-51730-8 (print), 3-540-46795-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097334/>.

Hirsch:1985:ADT

- [Hir85] Morris W. Hirsch. Attractors for discrete-time monotone dynamical systems in strongly ordered spaces. *Lecture Notes in Mathematics*, 1167:141–153, 1985. CODEN LNMAA2. ISBN 3-540-16053-1 (print), 3-540-39738-8 (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075221/>.

Hirschowitz:1987:SPM

- [Hir87] André Hirschowitz. Sections planes et multisécantes pour les courbes gauches génériques principales. (French) []. *Lecture Notes in Mathematics*, 1266:124–155, 1987. CODEN LNMAA2. ISBN 3-540-18020-6 (print), 3-540-47708-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078182/>.

Hirschowitz:1989:NFC

- [Hir89a] A. Hirschowitz. Nouvelles fonctions constructibles et rang des images directes. (French) []. *Lecture Notes in Mathematics*, 1389:103–111, 1989. CODEN LNMAA2. ISBN 3-540-51509-7 (print), 3-540-48188-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085928/>.

Hirschowitz:1989:CDG

- [Hir89b] André Hirschowitz. Cohérence et dualité sur le gros site de Zariski. (French) []. *Lecture Notes in Mathematics*, 1389:91–102, 1989. CODEN LNMAA2. ISBN 3-540-51509-7 (print), 3-540-48188-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085927/>.

Hirschowitz:1989:RSH

- [Hir89c] André Hirschowitz. La rationalité des schémas de Hilbert de courbes gauches rationnelles suivant Katsylo. (French) []. *Lecture Notes in Mathematics*, 1389:87–90, 1989. CODEN LNMAA2. ISBN 3-540-51509-7 (print), 3-540-48188-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085926/>.

Hoffmann-Jorgensen:1985:NSC

- [HJ85] J. Hoffmann-Jørgensen. Necessary and sufficient condition for the uniform law of large numbers. *Lecture Notes in Mathematics*, 1153:258–272, 1985. CODEN LNMAA2. ISBN 3-540-15704-2 (print), 3-540-39645-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074954/>.

Hastings:1987:CM

- [HJ87a] Harold M. Hastings and Mahendra Jani. Covering maps in top^N . *Lecture Notes in Mathematics*, 1283:115–124, 1987. CODEN LNMAA2. ISBN 3-540-18443-0 (print), 3-540-47975-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081422/>.

Hoffmann-Jorgensen:1987:GMP

- [HJ87b] J. Hoffmann-Jørgensen. The general marginal problem. *Lecture Notes in Mathematics*, 1242:77–367, 1987. CODEN LNMAA2. ISBN 3-540-17833-3 (print), 3-540-47876-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072443/>.

Hardie:1989:WPT

- [HJ89] K. A. Hardie and A. V. Jansen. A Whitehead product for track groups. *Lecture Notes in Mathematics*, 1370:163–170, 1989. CODEN LNMAA2. ISBN 3-540-51118-0 (print), 3-540-46160-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085227/>.

Huang:1989:BPS

- [HjJ89] Hai-Hua Huang and Bo ju Jiang. Braids and periodic solutions. *Lecture Notes in Mathematics*, 1411:107–123, 1989. CODEN LNMAA2. ISBN 3-540-51932-7 (print), 3-540-46862-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086445/>.

Hasanis:1985:AGM

- [HK85] Th. Hasanis and D. Koutroufiotis. Applications of the Gauss mapping for hypersurfaces of the sphere. *Lecture Notes in Mathematics*, 1156:180–193, 1985. CODEN LNMAA2. ISBN 3-540-15994-0 (print), 3-540-39698-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075090/>.

Hardie:1987:HCH

- [HK87a] K. A. Hardie and K. H. Kamps. The homotopy category of homotopy factorizations. *Lecture Notes in Mathematics*, 1298:162–170, 1987. CODEN LNMAA2. ISBN 3-540-18729-4 (print), 3-540-48122-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083008/>.

Hazareesingh:1987:SPI

- [HK87b] L. Hazareesingh and D. Kannan. Stochastic product integration and stochastic equations. *Lecture Notes in Mathematics*, 1236: 72–120, 1987. CODEN LNMAA2. ISBN 3-540-17211-4 (print), 3-540-47408-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072884/>.

Hammer:1989:BRD

- [HK89] P. L. Hammer and B. Kalantari. A bound on the roof-duality gap. *Lecture Notes in Mathematics*, 1403:254–257, 1989. CODEN LNMAA2. ISBN 3-540-51797-9 (print), 3-540-46810-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083469/>.

Hardt:1988:RAM

- [HKL88] Robert Hardt, David Kinderlehrer, and Mitchell Luskin. Remarks about the mathematical theory of liquid crystals. *Lecture Notes in Mathematics*, 1340:123–138, 1988. CODEN LNMAA2. ISBN 3-540-50119-3 (print), 3-540-45932-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082891/>.

Hahn:1989:ULI

- [HKW89] M. G. Hahn, J. Kuelbs, and D. C. Weiner. A universal law of the iterated logarithm for trimmed and censored sums. *Lecture Notes in Mathematics*, 1391:82–98, 1989. CODEN LNMAA2. ISBN 3-540-51548-8 (print), 3-540-48244-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083383/>.

Halperin:1986:HSC

- [HL86] Stephen Halperin and Gerson Levin. High skeleta of CW complexes. *Lecture Notes in Mathematics*, 1183:211–217, 1986. CODEN LNMAA2. ISBN 3-540-16453-7 (print), 3-540-39790-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075461/>.

Halperin:1988:NCD

- [HL88a] S. Halperin and J.-M. Lemaire. Notions of category in differential algebra. *Lecture Notes in Mathematics*, 1318:138–154, 1988. CODEN LNMAA2. ISBN 3-540-19340-5 (print), 3-540-39204-1

(e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077800/>.

Herrera:1988:RAO

- [HL88b] René Hernández Herrera and Guillermo López Lagomasino. Relative asymptotics of orthogonal polynomials with respect to varying measures II. *Lecture Notes in Mathematics*, 1354:140–154, 1988. CODEN LNMAA2. ISBN 3-540-50443-5 (print), 3-540-46005-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089591/>.

Hlawka:1985:BLDa

- [Hla85a] E. Hlawka. Bemerkung Zum Lemma Von Du Bois–Reymond. (German) []. *Lecture Notes in Mathematics*, 1114:26–29, 1985. CODEN LNMAA2. ISBN 3-540-15189-3 (print), 3-540-39281-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101642/>.

Hlawka:1985:PIA

- [Hla85b] E. Hlawka. Über Ein Produkt, Das In Der Interpolation Analytischer Funktionen Im Einheitskreis Auftritt. (German) []. *Lecture Notes in Mathematics*, 1114:19–25, 1985. CODEN LNMAA2. ISBN 3-540-15189-3 (print), 3-540-39281-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101641/>.

Hlawka:1985:BLDb

- [Hla85c] Edmund Hlawka. Bemerkung Zum Lemma von Du Bois–Reymond II. (German) [Remark on the Du Bois–Reymond lemma II]. *Lecture Notes in Mathematics*, 1114:30–39, 1985. CODEN LNMAA2. ISBN 3-540-15189-3 (print), 3-540-39281-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101643/>.

Hlawka:1985:ZAW

- [Hla85d] Edmund Hlawka, editor. *Zahlentheoretische Analysis: Wiener Seminarberichte 1980–82*, volume 1114 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15189-3 (print), 3-540-39281-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1114. URL <http://link.springer.com/book/10.1007/BFb0101637>; <http://www.springerlink.com/content/978-3-540-39281-1>.

Hlawka:1987:DMV

- [Hla87a] Edmund Hlawka. Über Die Direkten Methoden der Variationsrechnung Und Gleichverteilung. (German) []. *Lecture Notes in Mathematics*, 1262:50–85, 1987. CODEN LNMAA2. ISBN 3-540-18015-X (print), 3-540-47256-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078596/>.

Hlawka:1987:ZAI

- [Hla87b] Edmund Hlawka, editor. *Zahlentheoretische Analysis II: Wiener Seminarberichte 1984–86*, volume 1262 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-18015-X (print), 3-540-47256-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1262. URL [http://link.springer.com/book/10.1007/BFb0078590](http://link.springer.com/book/10.1007/BFb0078590;); <http://www.springerlink.com/content/978-3-540-47256-8>.

Hilden:1985:UK

- [HLM85a] Hugh M. Hilden, María Teresa Lozano, and José María Montesino. Universal knots. *Lecture Notes in Mathematics*, 1144:25–59, 1985. CODEN LNMAA2. ISBN 3-540-15680-1 (print), 3-540-39616-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075011/>.

Hog:1985:PCM

- [HLM85b] Cynthia Hog, Martin Lustig, and Wolfgang Metzler. Presentation classes, 3-manifolds and free products. *Lecture Notes in Mathematics*, 1167:154–167, 1985. CODEN LNMAA2. ISBN 3-540-16053-1 (print), 3-540-39738-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075222/>.

Hilden:1988:UGB

- [HLM88] Hugh M. Hilden, María Teresa Lozano, and José María Montesinos. On the universal group of the Borromean rings. *Lecture Notes in Mathematics*, 1350:1–13, 1988. CODEN LNMAA2. ISBN 3-540-50369-2 (print), 3-540-45990-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081465/>.

Haydon:1985:LS

- [HLR85] Richard Haydon, Mireille Lévy, and Yves Raynaud. On the local structure of $L_p(X)$. *Lecture Notes in Mathematics*, 1166:74–79, 1985. CODEN LNMAA2. ISBN 3-540-16051-5 (print), 3-540-39736-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074695/>.

Hirsch:1987:STD

- [HM87] Francis Hirsch and Gabriel Mokobodzki. *Séminaire de Théorie du Potentiel Paris, No. 8*, volume 1235 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-17210-6 (print), 3-540-47406-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). iv + 209 pp. LCCN QA3 .L28 no. 1235. URL <http://link.springer.com/book/10.1007/BFb0072744>; <http://www.springerlink.com/content/978-3-540-47406-7>.

Hinrichsen:1988:OPR

- [HM88a] Diederich Hinrichsen and Matthias Motscha. Optimization problems in the robustness analysis of linear state space systems. *Lecture Notes in Mathematics*, 1354:54–78, 1988. CODEN LNMAA2. ISBN 3-540-50443-5 (print), 3-540-46005-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089583/>.

Hu:1988:IMS

- [HM88b] Y. Z. Hu and P.-A. Meyer. Sur les intégrales multiples de Stratonovitch. (French) []. *Lecture Notes in Mathematics*, 1321:72–81, 1988. CODEN LNMAA2. ISBN 3-540-19351-0 (print), 3-540-39228-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084119/>.

Hu:1988:CWI

- [HM88c] Yao Zhong Hu and Paul-André Meyer. Chaos de Wiener et intégrale de Feynman. (French) []. *Lecture Notes in Mathematics*, 1321:51–71, 1988. CODEN LNMAA2. ISBN 3-540-19351-0 (print), 3-540-39228-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084118/>.

Hmissi:1987:RRA

- [Hmi87] Mohamed Hmissi. Régularité relative au noyau de Poisson. (French) []. *Lecture Notes in Mathematics*, 1235:88–104, 1987. CODEN LNMAA2. ISBN 3-540-17210-6 (print), 3-540-47406-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072750/>.

Hmissi:1989:SGD

- [Hmi89] Mohamed Hmissi. Semi-groupes deterministes. *Lecture Notes in Mathematics*, 1393:135–144, 1989. CODEN LNMAA2. ISBN 3-540-51592-5 (print), 3-540-46675-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085776/>.

Henle:1985:BE

- [HMW85] J. M. Henle, A. R. D. Mathias, and W. Hugh Woodin. A barren extension. *Lecture Notes in Mathematics*, 1130:195–207, 1985. CODEN LNMAA2. ISBN 3-540-15236-9 (print), 3-540-39414-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075312/>.

Hackbusch:1986:MMC

- [HN86] W. Hackbusch and Z. P. Nowak. Multigrid methods for calculating the lifting potential incompressible flows around three-dimensional bodies. *Lecture Notes in Mathematics*, 1228:135–148, 1986. CODEN LNMAA2. ISBN 3-540-17198-3 (print), 3-540-47372-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072645/>.

Hamachi:1988:TCB

- [HN88] Toshihiro Hamachi and Masakazu Nasu. Topological conjugacy for 1-block factor maps of subshifts and sofic covers. *Lecture Notes in Mathematics*, 1342:251–260, 1988. CODEN LNMAA2. ISBN 3-540-50174-6 (print), 3-540-45946-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082835/>.

Hazod:1989:CTT

- [HN89] W. Hazod and S. Nobel. Convergence-of-types theorem for simply connected nilpotent Lie groups. *Lecture Notes in Mathematics*, 1379:90–106, 1989. CODEN LNMAA2. ISBN 3-540-51401-5

(print), 3-540-46206-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087848/>.

Hanche-Olsen:1985:JAT

- [HO85] Harald Hanche-Olsen. JB-algebras with tensor products are C^* -algebras. *Lecture Notes in Mathematics*, 1132:223–229, 1985. CODEN LNMAA2. ISBN 3-540-15643-7 (print), 3-540-39514-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074886/>.

Hodges:1989:TNR

- [Hod89] Timothy J. Hodges. K -theory of Noetherian rings. *Lecture Notes in Mathematics*, 1404:246–268, 1989. CODEN LNMAA2. ISBN 3-540-51812-6 (print), 3-540-46814-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084079/>.

Hoffman:1985:EMS

- [Hof85] David Hoffman. Embedded minimal surfaces, computer graphics and elliptic functions. *Lecture Notes in Mathematics*, 1156:204–215, 1985. CODEN LNMAA2. ISBN 3-540-15994-0 (print), 3-540-39698-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075092/>.

Hoff:1987:TET

- [Hof87] David Hoff. Two existence theorems for systems of conservation laws with dissipation. *Lecture Notes in Mathematics*, 1270:181–194, 1987. CODEN LNMAA2. ISBN 3-540-18200-4 (print), 3-540-47805-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078328/>.

Hognas:1989:NSA

- [Hög89] Göran Högnäs. A note on the semigroup of analytic mappings with a common fixed point. *Lecture Notes in Mathematics*, 1379:135–140, 1989. CODEN LNMAA2. ISBN 3-540-51401-5 (print), 3-540-46206-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087851/>.

Hohlov:1987:ERC

- [Hoh87] Yu. S. Hohlov. The estimation of the rate of convergence in the integral limit theorem in the Euclidean motion group. *Lecture Notes in Mathematics*, 1233:1–10, 1987. CODEN LNMAA2. ISBN 3-540-17204-1 (print), 3-540-47394-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072705/>.

Holevo:1988:NGC

- [Hol88] A. S. Holevo. A noncommutative generalization of conditionally positive definite functions. *Lecture Notes in Mathematics*, 1303:128–148, 1988. CODEN LNMAA2. ISBN 3-540-18919-X (print), 3-540-38846-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078059/>.

Holevo:1989:LTR

- [Hol89a] A. S. Holevo. Limit theorems for repeated measurements and continuous measurement processes. *Lecture Notes in Mathematics*, 1396:229–255, 1989. CODEN LNMAA2. ISBN 3-540-51613-1 (print), 3-540-46713-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083555/>.

Holm:1989:HTR

- [Hol89b] Darryl D. Holm. Hamiltonian techniques for relativistic fluid dynamics and stability theory. *Lecture Notes in Mathematics*, 1385:65–151, 1989. CODEN LNMAA2. ISBN 3-540-51466-X (print), 3-540-48142-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084029/>.

Holzapfel:1989:VFD

- [Hol89c] R.-P. Holzapfel. Volumes of fundamental domains of Picard modular groups. *Lecture Notes in Mathematics*, 1399:60–88, 1989. CODEN LNMAA2. ISBN 3-540-51729-4 (print), 3-540-46791-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0095969/>.

Homer:1985:MPD

- [Hom85] Steven Homer. Minimal polynomial degrees of nonrecursive sets. *Lecture Notes in Mathematics*, 1141:193–202, 1985. CODEN LNMAA2. ISBN 3-540-15673-9 (print), 3-540-39596-2 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076221/>.

Hoppe:1986:CAT

- [Hop86] R. Hoppe. Constructive aspects in time optimal control. *Lecture Notes in Mathematics*, 1190:243–272, 1986. CODEN LNMAA2. ISBN 3-540-16476-6 (print), 3-540-39817-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076710/>.

Hopkins:1987:SRP

- [Hop87] William E. Hopkins, Jr. Some remarks on a problem in stochastic optimal control. *Lecture Notes in Mathematics*, 1236:121–130, 1987. CODEN LNMAA2. ISBN 3-540-17211-4 (print), 3-540-47408-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072885/>.

Hopf:1989:DGL

- [Hop89a] Heinz Hopf, editor. *Differential Geometry in the Large: Seminar Lectures New York University 1946 and Stanford University 1956*, volume 1000 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1989. CODEN LNMAA2. ISBN 3-540-51497-X (print), 3-540-39482-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1000. URL <http://link.springer.com/book/10.1007/3-540-39482-6>; <http://www.springerlink.com/content/978-3-540-39482-2>.

Hopkins:1989:MAR

- [Hop89b] Michael J. Hopkins. Minimal atlases of real projective spaces. *Lecture Notes in Mathematics*, 1370:171–192, 1989. CODEN LNMAA2. ISBN 3-540-51118-0 (print), 3-540-46160-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085228/>.

Hormander:1987:LCS

- [Hör87] Lars Hörmander. The lifespan of classical solutions of non-linear hyperbolic equations. *Lecture Notes in Mathematics*, 1256:214–280, 1987. CODEN LNMAA2. ISBN 3-540-17856-2 (print), 3-540-47886-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077745/>.

Hovstad:1989:ICF

- [Hov89] R. M. Hovstad. Irrational continued fractions. *Lecture Notes in Mathematics*, 1406:18–24, 1989. CODEN LNMAA2. ISBN 3-540-51830-4 (print), 3-540-46820-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0096163/>.

Hoyt:1985:SAI

- [Hoy85] William L. Hoyt. On surfaces associated with an indefinite ternary lattice. *Lecture Notes in Mathematics*, 1135:197–210, 1985. CODEN LNMAA2. ISBN 3-540-15649-6 (print), 3-540-39535-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074605/>.

Hoyt:1987:NES

- [Hoy87] William L. Hoyt. Notes on elliptic $K3$ surfaces. *Lecture Notes in Mathematics*, 1240:196–213, 1987. CODEN LNMAA2. ISBN 3-540-17669-1 (print), 3-540-47756-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072981/>.

Hoyt:1989:EFK

- [Hoy89] William L. Hoyt. Elliptic fiberings of Kummer surfaces. *Lecture Notes in Mathematics*, 1383:89–110, 1989. CODEN LNMAA2. ISBN 3-540-51549-6 (print), 3-540-46640-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083572/>.

Holz:1987:GCT

- [HPS87a] Michael Holz, Klaus-Peter Podewski, and Karsten Steffens. General criteria and their applications. *Lecture Notes in Mathematics*, 1238:33–97, 1987. CODEN LNMAA2. ISBN 3-540-17221-1 (print), 3-540-47426-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072631/>.

Holz:1987:ICF

- [HPS87b] Michael Holz, Klaus-Peter Podewski, and Karsten Steffens. *Injective Choice Functions*, volume 1238 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-17221-1 (print), 3-540-47426-9 (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). vi + 183 pp. LCCN QA3 .L28 no. 1238. URL <http://link.springer.com/book/10.1007/BFb0072628>; <http://www.springerlink.com/content/978-3-540-47426-5>.

Holz:1987:I

- [HPS87c] Michael Holz, Klaus-Peter Podewski, and Karsten Steffens. Introduction. *Lecture Notes in Mathematics*, 1238:1–9, 1987. CODEN LNMAA2. ISBN 3-540-17221-1 (print), 3-540-47426-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072629/>.

Holz:1987:MTM

- [HPS87d] Michael Holz, Klaus-Peter Podewski, and Karsten Steffens. Miscellaneous theorems on marriages. *Lecture Notes in Mathematics*, 1238:158–174, 1987. CODEN LNMAA2. ISBN 3-540-17221-1 (print), 3-540-47426-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072633/>.

Holz:1987:STF

- [HPS87e] Michael Holz, Klaus-Peter Podewski, and Karsten Steffens. Set theoretic foundations. *Lecture Notes in Mathematics*, 1238:10–32, 1987. CODEN LNMAA2. ISBN 3-540-17221-1 (print), 3-540-47426-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072630/>.

Holz:1987:SPF

- [HPS87f] Michael Holz, Klaus-Peter Podewski, and Karsten Steffens. Structural properties of families. *Lecture Notes in Mathematics*, 1238:98–157, 1987. CODEN LNMAA2. ISBN 3-540-17221-1 (print), 3-540-47426-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072632/>.

Heath:1989:NTN

- [HPY89] Philip Heath, Renzo Piccinini, and Chengye You. Nielsen-type numbers for periodic points, I. *Lecture Notes in Mathematics*, 1411:88–106, 1989. CODEN LNMAA2. ISBN 3-540-51932-7 (print), 3-540-46862-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086444/>.

Hodgson:1985:IIL

- [HR85] Craig Hodgson and J. H. Rubinstein. Involutions and isotopies of lens spaces. *Lecture Notes in Mathematics*, 1144:60–96, 1985. CODEN LNMAA2. ISBN 3-540-15680-1 (print), 3-540-39616-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075012/>.

Happel:1986:DCT

- [HR86] Dieter Happel and Claus Michael Ringel. The derived category of a tubular algebra. *Lecture Notes in Mathematics*, 1177:156–180, 1986. CODEN LNMAA2. ISBN 3-540-16432-4 (print), 3-540-39776-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075264/>.

Hawkins:1988:ATF

- [HR88a] Jane M. Hawkins and E. A. Robinson, Jr. Approximately transitive (2) flows and transformations have simple spectrum. *Lecture Notes in Mathematics*, 1342:261–280, 1988. CODEN LNMAA2. ISBN 3-540-50174-6 (print), 3-540-45946-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082836/>.

Holme:1988:EPV

- [HR88b] Audun Holme and Joel Roberts. On the embeddings of projective varieties. *Lecture Notes in Mathematics*, 1311:118–146, 1988. CODEN LNMAA2. ISBN 3-540-19236-0 (print), 3-540-39157-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082912/>.

Hriljac:1987:SFP

- [Hri87] Paul Hriljac. Splitting fields of principal homogeneous spaces. *Lecture Notes in Mathematics*, 1240:214–229, 1987. CODEN LNMAA2. ISBN 3-540-17669-1 (print), 3-540-47756-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072982/>.

Hairer:1989:CIPa

- [HRL89a] Ernst Hairer, Michel Roche, and Christian Lubich. Convergence for index 1 problems. *Lecture Notes in Mathematics*, 1409:23–29, 1989. CODEN LNMAA2. ISBN 3-540-51860-6 (print), 3-540-46832-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (elec-

tronic). URL <http://link.springer.com/chapter/10.1007/BFb0093950/>.

Hairer:1989:CIPb

- [HRL89b] Ernst Hairer, Michel Roche, and Christian Lubich. Convergence for index 2 problems. *Lecture Notes in Mathematics*, 1409:30–54, 1989. CODEN LNMAA2. ISBN 3-540-51860-6 (print), 3-540-46832-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0093951/>.

Hairer:1989:CIPc

- [HRL89c] Ernst Hairer, Michel Roche, and Christian Lubich. Convergence for index 3 problems. *Lecture Notes in Mathematics*, 1409:71–91, 1989. CODEN LNMAA2. ISBN 3-540-51860-6 (print), 3-540-46832-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0093953/>.

Hairer:1989:DDA

- [HRL89d] Ernst Hairer, Michel Roche, and Christian Lubich. Description of differential-algebraic problems. *Lecture Notes in Mathematics*, 1409:1–13, 1989. CODEN LNMAA2. ISBN 3-540-51860-6 (print), 3-540-46832-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0093948/>.

Hairer:1989:EDA

- [HRL89e] Ernst Hairer, Michel Roche, and Christian Lubich. Examples of differential-algebraic systems and their solution. *Lecture Notes in Mathematics*, 1409:106–123, 1989. CODEN LNMAA2. ISBN 3-540-51860-6 (print), 3-540-46832-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0093956/>.

Hairer:1989:LEE

- [HRL89f] Ernst Hairer, Michel Roche, and Christian Lubich. Local error estimation. *Lecture Notes in Mathematics*, 1409:99–105, 1989. CODEN LNMAA2. ISBN 3-540-51860-6 (print), 3-540-46832-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0093955/>.

Hairer:1989:OCR

- [HRL89g] Ernst Hairer, Michel Roche, and Christian Lubich. Order conditions of Runge–Kutta methods for index 2 systems. *Lecture Notes in Mathematics*, 1409:55–70, 1989. CODEN LNMAA2. ISBN 3-540-51860-6 (print), 3-540-46832-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0093952/>.

Hairer:1989:RKM

- [HRL89h] Ernst Hairer, Michel Roche, and Christian Lubich. Runge–Kutta methods for differential-algebraic equations. *Lecture Notes in Mathematics*, 1409:14–22, 1989. CODEN LNMAA2. ISBN 3-540-51860-6 (print), 3-540-46832-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0093949/>.

Hairer:1989:SNS

- [HRL89i] Ernst Hairer, Michel Roche, and Christian Lubich. Solution of nonlinear systems by simplified Newton. *Lecture Notes in Mathematics*, 1409:92–98, 1989. CODEN LNMAA2. ISBN 3-540-51860-6 (print), 3-540-46832-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0093954/>.

Hrushovski:1987:LMR

- [Hru87] Ehud Hrushovski. Locally modular regular types. *Lecture Notes in Mathematics*, 1292:132–164, 1987. CODEN LNMAA2. ISBN 3-540-18674-3 (print), 3-540-48049-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082236/>.

Harder:1985:SVH

- [HS85] G. Harder and N. Schappacher. Special values of Hecke L -functions and abelian integrals. *Lecture Notes in Mathematics*, 1111:17–49, 1985. CODEN LNMAA2. ISBN 3-540-15195-8 (print), 3-540-39298-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084583/>.

Hulek:1986:APC

- [HS86] K. Hulek and S. A. Strømme. Appendix to the paper “Complete families of stable vector bundles over \mathbf{P}^n ”. *Lecture Notes in Mathe-*

matics, 1194:34–40, 1986. CODEN LNMAA2. ISBN 3-540-16490-1 (print), 3-540-39829-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076993/>.

Hajela:1987:MES

- [HS87a] D. Hajela and B. Smith. On the maximum of an exponential sum of the Möbius function. *Lecture Notes in Mathematics*, 1240:145–164, 1987. CODEN LNMAA2. ISBN 3-540-17669-1 (print), 3-540-47756-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072979/>.

Haslinger:1987:RDW

- [HS87b] F. Haslinger and M. Smejkal. Representation and duality in weighted Fréchet spaces of entire functions. *Lecture Notes in Mathematics*, 1275:168–196, 1987. CODEN LNMAA2. ISBN 3-540-18356-6 (print), 3-540-47899-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078351/>.

Herzog:1987:GGI

- [HS87c] Jürgen Herzog and Herbert Sanders. The Grothendieck group of invariant rings and of simple hypersurface singularities. *Lecture Notes in Mathematics*, 1273:134–149, 1987. CODEN LNMAA2. ISBN 3-540-18263-2 (print), 3-540-47851-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078840/>.

Hinich:1987:HLH

- [HS87d] V. A. Hinich and V. V. Schechtman. On homotopy limit of homotopy algebras. *Lecture Notes in Mathematics*, 1289:240–264, 1987. CODEN LNMAA2. ISBN 3-540-18571-2 (print), 3-540-48016-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078370/>.

Hinton:1987:ASS

- [HS87e] D. B. Hinton and J. K. Shaw. Asymptotics of solutions and spectra of perturbed periodic Hamiltonian systems. *Lecture Notes in Mathematics*, 1285:169–174, 1987. CODEN LNMAA2. ISBN 3-540-18479-1 (print), 3-540-47983-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080594/>.

Hawkins:1988:RRO

- [HS88] Jane M. Hawkins and Cesar E. Silva. Remarks on recurrence and orbit equivalence of nonsingular endomorphisms. *Lecture Notes in Mathematics*, 1342:281–290, 1988. CODEN LNMAA2. ISBN 3-540-50174-6 (print), 3-540-45946-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082837/>.

Hammer:1989:QFB

- [HS89a] Peter L. Hammer and Bruno Simeone. Quadratic functions of binary variables. *Lecture Notes in Mathematics*, 1403:1–56, 1989. CODEN LNMAA2. ISBN 3-540-51797-9 (print), 3-540-46810-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083461/>.

Hunt:1989:MCF

- [HS89b] Fern Hunt and Francis Sullivan. Methods of computing fractal dimensions. *Lecture Notes in Mathematics*, 1394:83–95, 1989. CODEN LNMAA2. ISBN 3-540-51594-1 (print), 3-540-46679-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086754/>.

Hermida:1988:SCS

- [HSG88] José A. Hermida and Tomás Sánchez-Giralda. Some criteria for solvability of systems of linear equations over modules. *Lecture Notes in Mathematics*, 1328:122–134, 1988. CODEN LNMAA2. ISBN 3-540-19474-6 (print), 3-540-39278-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100921/>.

Hsiang:1987:LTG

- [Hsi87] Wu-Yi Hsiang. Lie transformation groups and differential geometry. *Lecture Notes in Mathematics*, 1255:34–52, 1987. CODEN LNMAA2. ISBN 3-540-17849-X (print), 3-540-47883-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077679/>.

Hirzebruch:1985:ABP

- [HSS85] Friedrich Hirzebruch, Joachim Schwermer, and Silke Suter, editors. *Arbeitstagung Bonn 1984: Proceedings of the meeting held by the Max-Planck-Institut für Mathematik, Bonn June 15–22, 1984*, volume 1111 of *Lecture Notes in Mathematics*.

Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15195-8 (print), 3-540-39298-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1111. URL <http://link.springer.com/book/10.1007/BFb0084581>; <http://www.springerlink.com/content/978-3-540-39298-9>.

Hsiao:1985:IEF

- [HSW85] George C. Hsiao, Ernst P. Stephan, and Wolfgang L. Wendland. An integral equation formulation for a boundary value problem of elasticity in the domain exterior to an arc. *Lecture Notes in Mathematics*, 1121:153–165, 1985. CODEN LNMAA2. ISBN 3-540-15219-9 (print), 3-540-39377-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076269/>.

Hackbusch:1986:MMI

- [HT86] Wolfgang Hackbusch and Ulrich Trottenberg, editors. *Multigrid Methods II: Proceedings of the 2nd European Conference on Multigrid Methods held at Cologne, October 1-4, 1985*, volume 1228 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-17198-3 (print), 3-540-47372-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1228. URL <http://link.springer.com/book/10.1007/BFb0072636>; <http://www.springerlink.com/content/978-3-540-47372-5>.

Hayashi:1987:RSP

- [HT87] Nakao Hayashi and Yoshio Tsutsumi. Remarks on the scattering problem for nonlinear Schrödinger equations. *Lecture Notes in Mathematics*, 1285:162–168, 1987. CODEN LNMAA2. ISBN 3-540-18479-1 (print), 3-540-47983-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080593/>.

Hu:1987:IPR

- [Hu87] Yi Hu. The imbedding problem of Riemannian globally symmetric spaces of the compact type. *Lecture Notes in Mathematics*, 1255:53–66, 1987. CODEN LNMAA2. ISBN 3-540-17849-X (print), 3-540-47883-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077680/>.

Hu:1988:NED

- [Hu88] Yao-Zhong Hu. Un nouvel exemple de distribution de Hida. (French) []. *Lecture Notes in Mathematics*, 1321:82–84, 1988. CODEN LNMAA2. ISBN 3-540-19351-0 (print), 3-540-39228-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084120/>.

Huang:1986:CLS

- [Hua86] Jianhua Huang. A characterization of the 2-local subgroups of Rudvalis group and Higman–Sims group. *Lecture Notes in Mathematics*, 1185:289–307, 1986. CODEN LNMAA2. ISBN 3-540-16456-1 (print), 3-540-39793-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076180/>.

Huang:1988:IRS

- [Hua88] Yumin Huang. On interior regularity of solutions of a class of hypoelliptic equations. *Lecture Notes in Mathematics*, 1306:84–92, 1988. CODEN LNMAA2. ISBN 3-540-19097-X (print), 3-540-39107-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082926/>.

Huber:1986:TRF

- [Hub86] Catherine Huber. Théorie de la robustesse. (French) [Robustness theory]. *Lecture Notes in Mathematics*, 1215:1–128, 1986. CODEN LNMAA2. ISBN 3-540-16822-2 (print), 3-540-47092-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075872/>.

Hubl:1989:DFH

- [Hüb89a] Reinhold Hübl. Differential forms and Hochschild homology. *Lecture Notes in Mathematics*, 1368:28–46, 1989. CODEN LNMAA2. ISBN 3-540-50985-2 (print), 3-540-46125-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098409/>.

Hubl:1989:HHH

- [Hüb89b] Reinhold Hübl. The Hochschild homology and the Hochschild cohomology of a topological algebra. *Lecture Notes in Mathematics*, 1368:8–27, 1989. CODEN LNMAA2. ISBN 3-540-50985-2

(print), 3-540-46125-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098408/>.

Hubl:1989:I

[Hüb89c] Reinhold Hübl. Introduction. *Lecture Notes in Mathematics*, 1368:1–7, 1989. CODEN LNMAA2. ISBN 3-540-50985-2 (print), 3-540-46125-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098407/>.

Hubl:1989:TRH

[Hüb89d] Reinhold Hübl. The topological residue homomorphism. *Lecture Notes in Mathematics*, 1368:84–93, 1989. CODEN LNMAA2. ISBN 3-540-50985-2 (print), 3-540-46125-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098413/>.

Hubl:1989:TFR

[Hüb89e] Reinhold Hübl. Trace formulas for residues of differential forms. *Lecture Notes in Mathematics*, 1368:94–105, 1989. CODEN LNMAA2. ISBN 3-540-50985-2 (print), 3-540-46125-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098414/>.

Hubl:1989:TCI

[Hüb89f] Reinhold Hübl. Traces in complete intersections. *Lecture Notes in Mathematics*, 1368:70–83, 1989. CODEN LNMAA2. ISBN 3-540-50985-2 (print), 3-540-46125-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098412/>.

Hubl:1989:THH

[Hüb89g] Reinhold Hübl. Traces in Hochschild homology. *Lecture Notes in Mathematics*, 1368:47–55, 1989. CODEN LNMAA2. ISBN 3-540-50985-2 (print), 3-540-46125-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098410/>.

Hubl:1989:TDF

[Hüb89h] Reinhold Hübl. Traces of differential forms. *Lecture Notes in Mathematics*, 1368:56–69, 1989. CODEN LNMAA2. ISBN 3-540-50985-2 (print), 3-540-46125-6 (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098411/>.

Hudry:1986:DAD

- [Hud86] A. Hudry. Deux applications du principe d'additivité. (French) []. *Lecture Notes in Mathematics*, 1220:118–129, 1986. CODEN LNMAA2. ISBN 3-540-17185-1 (print), 3-540-47255-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099509/>.

Hudson:1988:ATQ

- [Hud88] R. L. Hudson. Algebraic theory of quantum diffusions. *Lecture Notes in Mathematics*, 1325:113–124, 1988. CODEN LNMAA2. ISBN 3-540-50015-4 (print), 3-540-45887-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077920/>.

Hudson:1989:QDA

- [Hud89] R. L. Hudson. Quantum diffusions on the algebra of all bounded operators on a Hilbert space. *Lecture Notes in Mathematics*, 1396:256–269, 1989. CODEN LNMAA2. ISBN 3-540-51613-1 (print), 3-540-46713-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083556/>.

Hulek:1985:CIC

- [Hul85] Klaus Hulek. Complete intersection curves, the splitting of the normal bundle and the Veronese surface. *Lecture Notes in Mathematics*, 1124:132–145, 1985. CODEN LNMAA2. ISBN 3-540-15232-6 (print), 3-540-39643-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074999/>.

Hurder:1988:ETF

- [Hur88] Steven Hurder. Ergodic theory of foliations and a theorem of Sacksteder. *Lecture Notes in Mathematics*, 1342:291–328, 1988. CODEN LNMAA2. ISBN 3-540-50174-6 (print), 3-540-45946-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082838/>.

Husch:1987:EC

- [Hus87] L. S. Husch. Embedding of continua. *Lecture Notes in Mathematics*, 1283:125–130, 1987. CODEN LNMAA2. ISBN 3-540-18443-0

(print), 3-540-47975-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081423/>.

Husseini:1989:CGA

- [Hus89] S. Y. Husseini. Coincidences for Grassmannian and associated spaces. *Lecture Notes in Mathematics*, 1411:124–129, 1989. CODEN LNMAA2. ISBN 3-540-51932-7 (print), 3-540-46862-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086446/>.

Hausmann:1988:MCP

- [HV88] Jean-Claude Hausmann and Pierre Vogel. Manifold categories of Poincaré duality spaces. *Lecture Notes in Mathematics*, 1350:241–258, 1988. CODEN LNMAA2. ISBN 3-540-50369-2 (print), 3-540-45990-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081478/>.

Hebisch:1988:AMI

- [HvL88] U. Hebisch and L. C. A. van Leeuwen. On additively or multiplicatively idempotent semirings and partial orders. *Lecture Notes in Mathematics*, 1320:154–161, 1988. CODEN LNMAA2. ISBN 3-540-19347-2 (print), 3-540-39225-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083428/>.

Hendriksen:1988:EIZ

- [HvR88] E. Hendriksen and H. van Rossum. Electrostatic interpretation of zeros. *Lecture Notes in Mathematics*, 1329:241–250, 1988. CODEN LNMAA2. ISBN 3-540-19489-4 (print), 3-540-39295-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083363/>.

Hamann:1988:ASE

- [HW88] U. Hamann and G. Wildenhain. Approximation by solutions of elliptic boundary value problems in various function spaces. *Lecture Notes in Mathematics*, 1302:247–252, 1988. CODEN LNMAA2. ISBN 3-540-18905-X (print), 3-540-38841-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078878/>.

Hinman:1985:PMO

- [HZ85] Peter G. Hinman and Stathis Zachos. Probabilistic machines, oracles, and quantifiers. *Lecture Notes in Mathematics*, 1141:159–192, 1985. CODEN LNMAA2. ISBN 3-540-15673-9 (print), 3-540-39596-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076220/>.

Hain:1987:GUV

- [HZ87a] Richard M. Hain and Steven Zucker. A guide to unipotent variations of mixed Hodge structure. *Lecture Notes in Mathematics*, 1246:92–106, 1987. CODEN LNMAA2. ISBN 3-540-17743-4 (print), 3-540-47794-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077532/>.

Hain:1987:TMH

- [HZ87b] Richard M. Hain and Steven Zucker. Truncations of mixed Hodge complexes. *Lecture Notes in Mathematics*, 1246:107–114, 1987. CODEN LNMAA2. ISBN 3-540-17743-4 (print), 3-540-47794-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077533/>.

Iarrobino:1985:CAC

- [Iar85] Anthony Iarrobino, Jr. Compressed algebras and components of the punctual Hilbert scheme. *Lecture Notes in Mathematics*, 1124:146–165, 1985. CODEN LNMAA2. ISBN 3-540-15232-6 (print), 3-540-39643-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075000/>.

Ibragimov:1985:TLP

- [Ibr85] I. A. Ibragimov. Théorèmes limites pour les marches aléatoires. (French) []. *Lecture Notes in Mathematics*, 1117:199–297, 1985. CODEN LNMAA2. ISBN 3-540-15203-2 (print), 3-540-39316-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099422/>.

Ichihara:1986:EPS

- [Ich86] Kanji Ichihara. Explosion problems for symmetric diffusion processes. *Lecture Notes in Mathematics*, 1203:75–89, 1986. CODEN LNMAA2. ISBN 3-540-16773-0 (print), 3-540-39852-X (e-book).

ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076874/>.

Ichikawa:1987:SPS

- [Ich87] Akira Ichikawa. The separation principle for stochastic differential equations with unbounded coefficients. *Lecture Notes in Mathematics*, 1236:164–171, 1987. CODEN LNMAA2. ISBN 3-540-17211-4 (print), 3-540-47408-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072888/>.

Ida:1989:GSS

- [Idà89] Monica Idà. Generating six skew lines in \mathbf{P}^3 . *Lecture Notes in Mathematics*, 1389:112–127, 1989. CODEN LNMAA2. ISBN 3-540-51509-7 (print), 3-540-48188-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085929/>.

Ieşan:1987:AM

- [Ieş87a] Dorin Ieşan. Anisotropic materials. *Lecture Notes in Mathematics*, 1279:44–67, 1987. CODEN LNMAA2. ISBN 3-540-18361-2 (print), 3-540-47911-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078754/>.

Ieşan:1987:HM

- [Ieş87b] Dorin Ieşan. Heterogeneous media. *Lecture Notes in Mathematics*, 1279:68–94, 1987. CODEN LNMAA2. ISBN 3-540-18361-2 (print), 3-540-47911-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078755/>.

Ieşan:1987:RSV

- [Ieş87c] Dorin Ieşan. The relaxed Saint-Venant problem. *Lecture Notes in Mathematics*, 1279:1–30, 1987. CODEN LNMAA2. ISBN 3-540-18361-2 (print), 3-540-47911-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078752/>.

Ieşan:1987:SVP

- [Ieş87d] Dorin Ieşan. Saint-Venant’s problem for Cosserat elastic bodies. *Lecture Notes in Mathematics*, 1279:95–147, 1987. CODEN LNMAA2. ISBN 3-540-18361-2 (print), 3-540-47911-2 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078756/>.

Iesan:1987:TLC

- [Ieş87e] Dorin Ieşan. Theory of loaded cylinders: The problems of Almansi and Michell. *Lecture Notes in Mathematics*, 1279:31–43, 1987. CODEN LNMAA2. ISBN 3-540-18361-2 (print), 3-540-47911-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078753/>.

Ito:1986:SPT

- [IH86] Kiyosi Itô and Takeyuki Hida, editors. *Stochastic Processes and Their Applications: Proceedings of the International Conference held in Nagoya, July 2–6, 1985*, volume 1203 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16773-0 (print), 3-540-39852-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3.L28 no. 1203. URL <http://link.springer.com/book/10.1007/BFb0076868>; <http://www.springerlink.com/content/978-3-540-39852-3>.

Ikeda:1988:STA

- [IK88] Nobuyuki Ikeda and Shigeo Kusuoka. Short time asymptotics for fundamental solutions of diffusion equations. *Lecture Notes in Mathematics*, 1322:37–49, 1988. CODEN LNMAA2. ISBN 3-540-19352-9 (print), 3-540-39232-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077865/>.

Ikegami:1988:CHS

- [Ike88] Teruo Ikegami. Compactifications of harmonic spaces and Hunt processes. *Lecture Notes in Mathematics*, 1351:201–213, 1988. CODEN LNMAA2. ISBN 3-540-50370-6 (print), 3-540-45992-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081254/>.

Isbell:1988:RLG

- [IKPR88] J. Isbell, I. Kříž, A. Pultr, and J. Rosický. Remarks on localic groups. *Lecture Notes in Mathematics*, 1348:154–172, 1988. CODEN LNMAA2. ISBN 3-540-50362-5 (print), 3-540-45985-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081357/>.

Ilinski:1985:NMI

- [Il'85] A. I. Il'inskiĭ. Normality of a multidimensional infinitely divisible distribution which coincides with a normal distribution in a cone. *Lecture Notes in Mathematics*, 1155:47–59, 1985. CODEN LNMAA2. ISBN 3-540-15985-1 (print), 3-540-39686-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074812/>.

Illman:1986:PFE

- [Ill86] Sören Illman. A product formula for equivariant Whitehead torsion and geometric applications. *Lecture Notes in Mathematics*, 1217:123–142, 1986. CODEN LNMAA2. ISBN 3-540-16824-9 (print), 3-540-47097-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072819/>.

Illan:1988:RAF

- [Ill88] J. Illán. On the rational approximation of H^P functions in the $L_P(\mu)$ metric. *Lecture Notes in Mathematics*, 1354:155–163, 1988. CODEN LNMAA2. ISBN 3-540-50443-5 (print), 3-540-46005-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089592/>.

Illman:1989:ICR

- [Ill89] Sören Illman. The isomorphism class of a representation of a compact Lie group is determined by the equivariant simple-homotopy type of the representation. *Lecture Notes in Mathematics*, 1375:98–110, 1989. CODEN LNMAA2. ISBN 3-540-51218-7 (print), 3-540-46178-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085602/>.

Ismail:1988:ADH

- [ILV88] Mourad E. H. Ismail, Jean Letessier, and Galliano Valent. Associated dual Hahn polynomials. *Lecture Notes in Mathematics*, 1329:251–254, 1988. CODEN LNMAA2. ISBN 3-540-19489-4 (print), 3-540-39295-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083364/>.

Iwase:1989:HHA

- [IM89] Norio Iwase and Mamoru Mimura. Higher homotopy associativity. *Lecture Notes in Mathematics*, 1370:193–220, 1989. CODEN

LNMAA2. ISBN 3-540-51118-0 (print), 3-540-46160-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085229/>.

Imkeller:1988:BPD

- [Imk88a] Peter Imkeller. Basics; processes depending on a parameter. *Lecture Notes in Mathematics*, 1308:28–65, 1988. CODEN LNMAA2. ISBN 3-540-19233-6 (print), 3-540-39148-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078099/>.

Imkeller:1988:I

- [Imk88b] Peter Imkeller. Introduction. *Lecture Notes in Mathematics*, 1308:1–22, 1988. CODEN LNMAA2. ISBN 3-540-19233-6 (print), 3-540-39148-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078097/>.

Imkeller:1988:JMT

- [Imk88c] Peter Imkeller. Jumps of martingales and their compensation. *Lecture Notes in Mathematics*, 1308:99–130, 1988. CODEN LNMAA2. ISBN 3-540-19233-6 (print), 3-540-39148-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078101/>.

Imkeller:1988:NC

- [Imk88d] Peter Imkeller. Notations and conventions. *Lecture Notes in Mathematics*, 1308:23–27, 1988. CODEN LNMAA2. ISBN 3-540-19233-6 (print), 3-540-39148-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078098/>.

Imkeller:1988:QVS

- [Imk88e] Peter Imkeller. Quadratic variation and structure of martingales. *Lecture Notes in Mathematics*, 1308:131–168, 1988. CODEN LNMAA2. ISBN 3-540-19233-6 (print), 3-540-39148-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078102/>.

Imkeller:1988:TPP

- [Imk88f] Peter Imkeller. Two-parameter processes. *Lecture Notes in Mathematics*, 1308:66–98, 1988. CODEN LNMAA2. ISBN 3-540-19233-6 (print), 3-540-39148-7 (e-book). ISSN 0075-8434 (print), 1617-

9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078100/>.

Ihrig:1988:DFN

- [IMW88] Edwin Ihrig, Douglas McMahon, and Ta-Sun Wu. Distal flows of non Abelian groups with finite codimension. *Lecture Notes in Mathematics*, 1342:329–341, 1988. CODEN LNMAA2. ISBN 3-540-50174-6 (print), 3-540-45946-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082839/>.

Iserles:1985:BOP

- [IN85] A. Iserles and S. P. Nørsett. Bi-orthogonal polynomials. *Lecture Notes in Mathematics*, 1171:92–100, 1985. CODEN LNMAA2. ISBN 3-540-16059-0 (print), 3-540-39743-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076534/>.

Its:1986:ASDb

- [IN86a] Alexander R. Its and Victor Yu. Novokshenov. Asymptotic solution to a direct problem of the monodromy theory for the system (1.26). *Lecture Notes in Mathematics*, 1191:80–86, 1986. CODEN LNMAA2. ISBN 3-540-16483-9 (print), 3-540-39823-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076668/>.

Its:1986:ASDa

- [IN86b] Alexander R. Its and Victor Yu. Novokshenov. Asymptotic solution to a direct problem of the monodromy theory for the system (1.9). *Lecture Notes in Mathematics*, 1191:62–79, 1986. CODEN LNMAA2. ISBN 3-540-16483-9 (print), 3-540-39823-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076667/>.

Its:1986:DEI

- [IN86c] Alexander R. Its and Victor Yu. Novokshenov. The dynamics of electromagnetic impulse in a long laser amplifier. *Lecture Notes in Mathematics*, 1191:205–211, 1986. CODEN LNMAA2. ISBN 3-540-16483-9 (print), 3-540-39823-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076675/>.

Its:1986:I

- [IN86d] Alexander R. Its and Victor Yu. Novokshenov. Introduction. *Lecture Notes in Mathematics*, 1191:1–14, 1986. CODEN LNMAA2. ISBN 3-540-16483-9 (print), 3-540-39823-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076662/>.

Its:1986:IPM

- [IN86e] Alexander R. Its and Victor Yu. Novokshenov. Inverse problem of the monodromy theory for the systems (1.9) and (1.26). Asymptotic analysis of integral equations of the inverse problem. *Lecture Notes in Mathematics*, 1191:46–61, 1986. CODEN LNMAA2. ISBN 3-540-16483-9 (print), 3-540-39823-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076666/>.

Its:1986:IDM

- [IN86f] Alexander R. Its and Victor Yu. Novokshenov. *The Isomonodromic Deformation Method in the Theory of Painlevé Equations*, volume 1191 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16483-9 (print), 3-540-39823-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). iv + 313 pp. LCCN QA3 .L28 no. 1191. URL <http://link.springer.com/book/10.1007/BFb0076661/>; <http://www.springerlink.com/content/978-3-540-39823-3>.

Its:1986:IDSb

- [IN86g] Alexander R. Its and Victor Yu. Novokshenov. Isomonodromic deformations of systems (1.9) and (1.26) and Painlevé equations of II and III types. *Lecture Notes in Mathematics*, 1191:43–45, 1986. CODEN LNMAA2. ISBN 3-540-16483-9 (print), 3-540-39823-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076665/>.

Its:1986:IDSa

- [IN86h] Alexander R. Its and Victor Yu. Novokshenov. Isomonodromic deformations of systems of linear ordinary differential equations with rational coefficients. *Lecture Notes in Mathematics*, 1191:38–42, 1986. CODEN LNMAA2. ISBN 3-540-16483-9 (print), 3-540-39823-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076664/>.

Its:1986:LTA

- [IN86i] Alexander R. Its and Victor Yu. Novokshenov. Large-time asymptotics of the solution of the Cauchy problem for MKdV equation. *Lecture Notes in Mathematics*, 1191:173–204, 1986. CODEN LNMAA2. ISBN 3-540-16483-9 (print), 3-540-39823-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076674/>.

Its:1986:MSPa

- [IN86j] Alexander R. Its and Victor Yu. Novokshenov. The manifold of solutions of Painlevé II equation decreasing as $\chi \rightarrow -\infty$. Parametrization of their asymptotics through the monodromy data. Ablowitz–Segur connection formulae for real-valued solutions decreasing exponentially as $\chi \rightarrow +\infty$. *Lecture Notes in Mathematics*, 1191:87–93, 1986. CODEN LNMAA2. ISBN 3-540-16483-9 (print), 3-540-39823-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076669/>.

Its:1986:MSPc

- [IN86k] Alexander R. Its and Victor Yu. Novokshenov. The manifold of solutions to Painlevé II equation increasing as $\chi \rightarrow +\infty$. The expression of their asymptotics through the monodromy data. The connection formulae for pure imaginary solutions. *Lecture Notes in Mathematics*, 1191:109–123, 1986. CODEN LNMAA2. ISBN 3-540-16483-9 (print), 3-540-39823-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076671/>.

Its:1986:MSPb

- [IN86l] Alexander R. Its and Victor Yu. Novokshenov. The manifold of solutions to Painlevé III equation. The connection formulae for the asymptotics of real-valued solutions to the Cauchy problem. *Lecture Notes in Mathematics*, 1191:94–108, 1986. CODEN LNMAA2. ISBN 3-540-16483-9 (print), 3-540-39823-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076670/>.

Its:1986:MDS

- [IN86m] Alexander R. Its and Victor Yu. Novokshenov. Monodromy data for the systems of linear ordinary differential equations with rational coefficients. *Lecture Notes in Mathematics*, 1191:15–37, 1986.

CODEN LNMAA2. ISBN 3-540-16483-9 (print), 3-540-39823-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076663/>.

Its:1986:MPR

- [IN86n] Alexander R. Its and Victor Yu. Novokshenov. The movable poles of real-valued solutions to Painlevé II equation and the eigenfunctions of anharmonic oscillator. *Lecture Notes in Mathematics*, 1191:124–146, 1986. CODEN LNMAA2. ISBN 3-540-16483-9 (print), 3-540-39823-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076672/>.

Its:1986:MPS

- [IN86o] Alexander R. Its and Victor Yu. Novokshenov. The movable poles of the solutions of Painlevé III equation and their connection with Mathieu functions. *Lecture Notes in Mathematics*, 1191:147–172, 1986. CODEN LNMAA2. ISBN 3-540-16483-9 (print), 3-540-39823-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076673/>.

Its:1986:QMT

- [IN86p] Alexander R. Its and Victor Yu. Novokshenov. Quasiclassical mode of the three-dimensional wave collapse. *Lecture Notes in Mathematics*, 1191:216–229, 1986. CODEN LNMAA2. ISBN 3-540-16483-9 (print), 3-540-39823-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076677/>.

Its:1986:SLT

- [IN86q] Alexander R. Its and Victor Yu. Novokshenov. The scaling limit in two-dimensional Ising model. *Lecture Notes in Mathematics*, 1191:212–215, 1986. CODEN LNMAA2. ISBN 3-540-16483-9 (print), 3-540-39823-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076676/>.

Inoue:1989:EWT

- [Ino89] Tsuyoshi Inoue. The equivariant Whitehead torsions of equivariant homotopy equivalences between the unit spheres of representations of cyclic groups. *Lecture Notes in Mathematics*, 1375:111–125, 1989. CODEN LNMAA2. ISBN 3-540-51218-7 (print),

3-540-46178-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085603/>.

Sugiyama:1988:LBE

- [iS88] Ken ichi Sugiyama. Lower bounds of the essential spectrum of the Laplace–Beltrami operator and its application to complex geometry. *Lecture Notes in Mathematics*, 1339:226–247, 1988. CODEN LNMAA2. ISBN 3-540-50113-4 (print), 3-540-45930-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083058/>.

Israel:1989:CFM

- [Isr89] Werner Israel. Covariant fluid mechanics and thermodynamics: an introduction. *Lecture Notes in Mathematics*, 1385:152–210, 1989. CODEN LNMAA2. ISBN 3-540-51466-X (print), 3-540-48142-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084030/>.

Igusa:1986:NCF

- [IT86] Kiyoshi Igusa and Gordana Todorov. A numerical characterization of finite Auslander–Reiten quivers. *Lecture Notes in Mathematics*, 1177:181–198, 1986. CODEN LNMAA2. ISBN 3-540-16432-4 (print), 3-540-39776-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075265/>.

Ito:1988:MCS

- [Itō88] Kiyosi Itō. Malliavin calculus on a Segal space. *Lecture Notes in Mathematics*, 1322:50–72, 1988. CODEN LNMAA2. ISBN 3-540-19352-9 (print), 3-540-39232-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077866/>.

Ito:1989:DRA

- [Ito89] Noboru Ito. Doubly regular asymmetric digraphs with rank 5 automorphism groups. *Lecture Notes in Mathematics*, 1398:94–99, 1989. CODEN LNMAA2. ISBN 3-540-51695-6 (print), 3-540-46756-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086244/>.

Ivanoff:1986:LTM

- [Iva86] Gail Ivanoff. Limit theorems for multitype branching random walks. *Lecture Notes in Mathematics*, 1212:187–194, 1986. CODEN LNMAA2. ISBN 3-540-16803-6 (print), 3-540-47053-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076248/>.

Ivanov:1988:ATM

- [Iva88] N. V. Ivanov. Automorphisms of Teichmüller modular groups. *Lecture Notes in Mathematics*, 1346:199–270, 1988. CODEN LNMAA2. ISBN 3-540-50237-8 (print), 3-540-45958-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082778/>.

Istad:1986:SNC

- [IW86] Roy M. Istad and Haakon Waadeland. A strategy for numerical computation of limits regions. *Lecture Notes in Mathematics*, 1199:37–47, 1986. CODEN LNMAA2. ISBN 3-540-16768-4 (print), 3-540-38817-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075933/>.

Iwasaki:1987:GHP

- [Iwa87] Chisato Iwasaki. Gevrey-hypoellipticity and pseudo-differential operators on Gevrey class. *Lecture Notes in Mathematics*, 1256:281–293, 1987. CODEN LNMAA2. ISBN 3-540-17856-2 (print), 3-540-47886-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077746/>.

Jacod:1985:TLP

- [Jac85a] J. Jacod. Théorèmes limite pour les processus. (French) []. *Lecture Notes in Mathematics*, 1117:298–406, 1985. CODEN LNMAA2. ISBN 3-540-15203-2 (print), 3-540-39316-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099423/>.

Jacod:1985:GFP

- [Jac85b] Jean Jacod. Grossissement de filtration et processus d’Ornstein–Uhlenbeck généralisé. (French) []. *Lecture Notes in Mathematics*, 1118:36–44, 1985. CODEN LNMAA2. ISBN 3-540-15210-5

(print), 3-540-39339-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075769/>.

Jacod:1985:GIH

- [Jac85c] Jean Jacod. Grossissement initial, hypothèse (H') et théorème de Girsanov. (French) []. *Lecture Notes in Mathematics*, 1118: 15–35, 1985. CODEN LNMAA2. ISBN 3-540-15210-5 (print), 3-540-39339-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075768/>.

Jacobsen:1986:CLP

- [Jac86a] Lisa Jacobsen. On the convergence of limit periodic continued fractions $K(a_n/1)$, where $a_n \rightarrow -1/4$. Part II. *Lecture Notes in Mathematics*, 1199:48–58, 1986. CODEN LNMAA2. ISBN 3-540-16768-4 (print), 3-540-38817-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075934/>.

Jacobsen:1986:TSC

- [Jac86b] Lisa Jacobsen. A theorem on simple convergence regions for continued fractions $K(a_n/1)$. *Lecture Notes in Mathematics*, 1199: 59–66, 1986. CODEN LNMAA2. ISBN 3-540-16768-4 (print), 3-540-38817-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075935/>.

Jacka:1987:MIM

- [Jac87] S. D. Jacka. A maximal inequality for martingale local times. *Lecture Notes in Mathematics*, 1247:221–229, 1987. CODEN LNMAA2. ISBN 3-540-17768-X (print), 3-540-47814-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077637/>.

Jackson:1988:APO

- [Jac88a] Steve Jackson. Ad and the projective ordinals. *Lecture Notes in Mathematics*, 1333:117–220, 1988. CODEN LNMAA2. ISBN 3-540-50020-0 (print), 3-540-45896-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084974/>.

Jackson:1988:FM

- [Jac88b] Steve Jackson. Front matter. *Lecture Notes in Mathematics*, 1337: ??, 1988. CODEN LNMAA2. ISBN 3-540-50080-4 (print), 3-540-45920-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-540-45920-0/1.pdf>.

Jacobowitz:1988:SHP

- [Jac88c] Howard Jacobowitz. Systems of homogeneous partial differential equations with few solutions. *Lecture Notes in Mathematics*, 1324:127–136, 1988. CODEN LNMAA2. ISBN 3-540-50111-8 (print), 3-540-45928-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100788/>.

Jacka:1989:NGL

- [Jac89] S. D. Jacka. A note on the good lambda inequalities. *Lecture Notes in Mathematics*, 1372:57–65, 1989. CODEN LNMAA2. ISBN 3-540-51191-1 (print), 3-540-46176-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083960/>.

Jagannathan:1985:PRF

- [Jag85] R. Jagannathan. On projective representations of finite Abelian groups. *Lecture Notes in Mathematics*, 1122:130–139, 1985. CODEN LNMAA2. ISBN 3-540-15222-9 (print), 3-540-39642-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075756/>.

Jain:1985:ILD

- [Jai85] Naresh C. Jain. An introduction to large deviations. *Lecture Notes in Mathematics*, 1153:273–296, 1985. CODEN LNMAA2. ISBN 3-540-15704-2 (print), 3-540-39645-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074955/>.

Jajte:1985:AUC

- [Jaj85a] Ryszard Jajte. Almost uniform convergence in von Neumann algebras. *Lecture Notes in Mathematics*, 1110:4–10, 1985. CODEN LNMAA2. ISBN 3-540-13915-X (print), 3-540-39139-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101455/>.

Jajte:1985:CCE

- [Jaj85b] Ryszard Jajte. Convergence of conditional expectations and martingales in von Neumann algebras. *Lecture Notes in Mathematics*, 1110:57–80, 1985. CODEN LNMAA2. ISBN 3-540-13915-X (print), 3-540-39139-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101457/>.

Jajte:1985:ET

- [Jaj85c] Ryszard Jajte. Ergodic theorems. *Lecture Notes in Mathematics*, 1110:11–56, 1985. CODEN LNMAA2. ISBN 3-540-13915-X (print), 3-540-39139-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101456/>.

Jajte:1985:I

- [Jaj85d] Ryszard Jajte. Introduction. *Lecture Notes in Mathematics*, 1110:1–3, 1985. CODEN LNMAA2. ISBN 3-540-13915-X (print), 3-540-39139-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101454/>.

Jajte:1985:SLL

- [Jaj85e] Ryszard Jajte. Strong laws of large numbers in von Neumann algebras. *Lecture Notes in Mathematics*, 1110:81–105, 1985. CODEN LNMAA2. ISBN 3-540-13915-X (print), 3-540-39139-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101458/>.

Jajte:1985:SLT

- [Jaj85f] Ryszard Jajte. *Strong Limit Theorems in Non-Commutative Probability*, volume 1110 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-13915-X (print), 3-540-39139-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). vi + 152 pp. LCCN QA3 .L28 no. 1110. URL <http://link.springer.com/book/10.1007/BFb0101453>; <http://www.springerlink.com/content/978-3-540-39139-5>.

Jajte:1988:CSN

- [Jaj88] Ryszard Jajte. Contraction semigroups in L^2 over a von Neumann algebra. *Lecture Notes in Mathematics*, 1303:149–153, 1988.

CODEN LNMAA2. ISBN 3-540-18919-X (print), 3-540-38846-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078060/>.

Jajte:1989:AFN

- [Jaj89a] R. Jajte. Asymptotic formula for normal operators in non-commutative L_2 -spaces. *Lecture Notes in Mathematics*, 1396:270–278, 1989. CODEN LNMAA2. ISBN 3-540-51613-1 (print), 3-540-46713-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083557/>.

Jajte:1989:SLL

- [Jaj89b] R. Jajte. Strong laws of large numbers for several contractions in a von Neumann algebra. *Lecture Notes in Mathematics*, 1391:125–139, 1989. CODEN LNMAA2. ISBN 3-540-51548-8 (print), 3-540-48244-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083386/>.

Jameson:1985:TFC

- [Jam85] Antony Jameson. Transonic flow calculations for aircraft. *Lecture Notes in Mathematics*, 1127:156–242, 1985. CODEN LNMAA2. ISBN 3-540-15225-3 (print), 3-540-39391-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074531/>.

Jameson:1986:MAC

- [Jam86] Antony Jameson. Multigrid algorithms for compressible flow calculations. *Lecture Notes in Mathematics*, 1228:166–201, 1986. CODEN LNMAA2. ISBN 3-540-17198-3 (print), 3-540-47372-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072647/>.

James:1989:TPP

- [Jam89] I. M. James. Topology: past, present and future. *Lecture Notes in Mathematics*, 1370:1–9, 1989. CODEN LNMAA2. ISBN 3-540-51118-0 (print), 3-540-46160-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085213/>.

Janssen:1986:ACS

- [Jan86a] Arnold Janssen. Absolute continuity and singularity of distributions of dependent observations: Gaussian and exchangeable measures. *Lecture Notes in Mathematics*, 1210:108–124, 1986. CODEN LNMAA2. ISBN 3-540-16806-0 (print), 3-540-44852-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077177/>.

Jantzen:1986:MRR

- [Jan86b] J. C. Jantzen. Modular representations of reductive groups. *Lecture Notes in Mathematics*, 1185:118–154, 1986. CODEN LNMAA2. ISBN 3-540-16456-1 (print), 3-540-39793-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076173/>.

Jantzen:1987:RLA

- [Jan87] J. C. Jantzen. Restricted Lie algebra cohomology. *Lecture Notes in Mathematics*, 1271:91–108, 1987. CODEN LNMAA2. ISBN 3-540-18234-9 (print), 3-540-47834-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079234/>.

Janson:1989:FD

- [Jan89] Svante Janson. On functions with derivatives in H^1 . *Lecture Notes in Mathematics*, 1384:193–201, 1989. CODEN LNMAA2. ISBN 3-540-51460-0 (print), 3-540-48134-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086803/>.

Jarosz:1985:PMI

- [Jar85a] Krzysztof Jarosz. I. Perturbations of multiplications and onto-isomorphisms. *Lecture Notes in Mathematics*, 1120:4–35, 1985. CODEN LNMAA2. ISBN 3-540-15218-0 (print), 3-540-39370-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076887/>.

Jarosz:1985:II

- [Jar85b] Krzysztof Jarosz. II. Into-isomorphisms. *Lecture Notes in Mathematics*, 1120:36–44, 1985. CODEN LNMAA2. ISBN 3-540-15218-0 (print), 3-540-39370-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076888/>.

Jarosz:1985:IIS

- [Jar85c] Krzysztof Jarosz. III. Isometries in semisimple, commutative Banach algebras. *Lecture Notes in Mathematics*, 1120:45–55, 1985. CODEN LNMAA2. ISBN 3-540-15218-0 (print), 3-540-39370-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076889/>.

Jarosz:1985:IPO

- [Jar85d] Krzysztof Jarosz. IV. Perturbations of operator algebras. *Lecture Notes in Mathematics*, 1120:56–76, 1985. CODEN LNMAA2. ISBN 3-540-15218-0 (print), 3-540-39370-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076890/>.

Jarosz:1985:PBA

- [Jar85e] Krzysztof Jarosz. *Perturbations of Banach Algebras*, volume 1120 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15218-0 (print), 3-540-39370-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). ii + 118 pp. LCCN QA3 .L28 no. 1120. URL [http://link.springer.com/book/10.1007/BFb0076885](http://link.springer.com/book/10.1007/BFb0076885;); <http://www.springerlink.com/content/978-3-540-39370-2>.

Jarosz:1985:P

- [Jar85f] Krzysztof Jarosz. Preliminaries. *Lecture Notes in Mathematics*, 1120:1–3, 1985. CODEN LNMAA2. ISBN 3-540-15218-0 (print), 3-540-39370-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076886/>.

Jarosz:1985:VS

- [Jar85g] Krzysztof Jarosz. V. Stability. *Lecture Notes in Mathematics*, 1120:77–110, 1985. CODEN LNMAA2. ISBN 3-540-15218-0 (print), 3-540-39370-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076891/>.

Jarre:1989:MAC

- [Jar89] F. Jarre. On the method of analytic centers for solving smooth convex programs. *Lecture Notes in Mathematics*, 1405:69–86, 1989. CODEN LNMAA2. ISSN 0075-8434 (print), 1617-9692 (electronic).

Jaworowski:1986:BOF

- [Jaw86] Jan Jaworowski. Balanced orbits for fibre preserving maps of S^1 and S^3 actions. *Lecture Notes in Mathematics*, 1217:143–150, 1986. CODEN LNMAA2. ISBN 3-540-16824-9 (print), 3-540-47097-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072820/>.

Jensen:1986:CMA

- [Jen86] Arne Jensen. Commutator methods and asymptotic completeness for one-dimensional Stark effect Hamiltonians. *Lecture Notes in Mathematics*, 1218:151–166, 1986. CODEN LNMAA2. ISBN 3-540-16826-5 (print), 3-540-47119-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073048/>.

Jenkins:1987:SEH

- [Jen87] James A. Jenkins. Some estimates for harmonic measures. *Lecture Notes in Mathematics*, 1275:210–214, 1987. CODEN LNMAA2. ISBN 3-540-18356-6 (print), 3-540-47899-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078353/>.

Jeulin:1985:ATD

- [Jeu85] T. Jeulin. Application de la théorie du grossissement à l'étude des temps locaux browniens. (French) []. *Lecture Notes in Mathematics*, 1118:197–304, 1985. CODEN LNMAA2. ISBN 3-540-15210-5 (print), 3-540-39339-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075775/>.

Ježek:1985:SIS

- [Jež85] Jaroslav Ježek. Subdirectly irreducible and simple Boolean algebras with endomorphisms. *Lecture Notes in Mathematics*, 1149:150–162, 1985. CODEN LNMAA2. ISBN 3-540-15691-7 (print), 3-540-39638-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098462/>.

Jiang:1989:SMB

- [Jia89] Boju Jiang. Surface maps and braid equations, I. *Lecture Notes in Mathematics*, 1369:125–141, 1989. CODEN LNMAA2. ISBN

3-540-51037-0 (print), 3-540-46137-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087529/>.

Jin:1988:KFL

- [Jin88a] Gyo Taek Jin. On Kojima's η -function of links. *Lecture Notes in Mathematics*, 1350:14–30, 1988. CODEN LNMAA2. ISBN 3-540-50369-2 (print), 3-540-45990-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081466/>.

Jin:1988:CYP

- [Jin88b] Zhiren Jin. A counterexample to the Yamabe problem for complete noncompact manifolds. *Lecture Notes in Mathematics*, 1306: 93–101, 1988. CODEN LNMAA2. ISBN 3-540-19097-X (print), 3-540-39107-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082927/>.

Jacobsen:1986:FRC

- [JJW86] Lisa Jacobsen, William B. Jones, and Haakon Waadeland. Further results on the computation of incomplete gamma functions. *Lecture Notes in Mathematics*, 1199:67–89, 1986. CODEN LNMAA2. ISBN 3-540-16768-4 (print), 3-540-38817-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075936/>.

Jacobsen:1987:CAC

- [JJW87] L. Jacobsen, W. B. Jones, and H. Waadeland. Convergence acceleration for continued fractions $K(a_n/1)$, where $a_n \rightarrow \infty$. *Lecture Notes in Mathematics*, 1237:177–187, 1987. CODEN LNMAA2. ISBN 3-540-17212-2 (print), 3-540-47412-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072463/>.

Jona-Lasinio:1985:SRA

- [JL85] G. Jona-Lasinio. Some recent applications of stochastic processes in quantum mechanics. *Lecture Notes in Mathematics*, 1159:230–241, 1985. CODEN LNMAA2. ISBN 3-540-16035-3 (print), 3-540-39706-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080335/>.

Johnson:1987:LEF

- [JLS87] William B. Johnson, Joram Lindenstrauss, and Gideon Schechtman. On Lipschitz embedding of finite metric spaces in low dimensional normed spaces. *Lecture Notes in Mathematics*, 1267: 177–184, 1987. CODEN LNMAA2. ISBN 3-540-18103-2 (print), 3-540-47771-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078145/>.

Jarchow:1985:WCO

- [JM85] Hans Jarchow and Urs Matter. On weakly compact operators on $\ell(k)$ -spaces. *Lecture Notes in Mathematics*, 1166:80–88, 1985. CODEN LNMAA2. ISBN 3-540-16051-5 (print), 3-540-39736-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074696/>.

Jones:1986:SIG

- [JM86a] A. Jones and G. O. Michler. On the structure of the integral Green ring of a cyclic group of order p^2 . *Lecture Notes in Mathematics*, 1178:98–108, 1986. CODEN LNMAA2. ISBN 3-540-16433-2 (print), 3-540-39777-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075291/>.

Journe:1986:MOB

- [JM86b] J.-L. Journé and P.-A. Meyer. Une martingale d'opérateurs bornés, non représentable en intégrale stochastique. (French) []. *Lecture Notes in Mathematics*, 1204:313–316, 1986. CODEN LNMAA2. ISBN 3-540-16779-X (print), 3-540-39860-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075720/>. See remark [Par86c].

Jackowski:1989:HAC

- [JM89a] Stefan Jackowski and James E. McClure. Homotopy approximations for classifying spaces of compact Lie groups. *Lecture Notes in Mathematics*, 1370:221–234, 1989. CODEN LNMAA2. ISBN 3-540-51118-0 (print), 3-540-46160-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085230/>.

Jaffard:1989:OF

- [JM89b] S. Jaffard and Y. Meyer. Les ondelettes. (French) []. *Lecture Notes in Mathematics*, 1384:182–192, 1989. CODEN LNMAA2. ISBN 3-540-51460-0 (print), 3-540-48134-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086802/>.

Janovsky:1986:BAS

- [JMN86] V. Janovský, I. Marek, and J. Neuberg. Bifurcation analysis of stimulated Brillouin scattering. *Lecture Notes in Mathematics*, 1192:309–314, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076086/>.

Jones:1986:SFP

- [JNT86] W. B. Jones, O. Njåstad, and W. J. Thron. Schur fractions, Perron–Carathéodory fractions and Szegő polynomials, a survey. *Lecture Notes in Mathematics*, 1199:127–158, 1986. CODEN LNMAA2. ISBN 3-540-16768-4 (print), 3-540-38817-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075938/>.

Jones:1987:PCC

- [JNT87] William B. Jones, Olav Njåstad, and W. J. Thron. Perron–Carathéodory continued fractions. *Lecture Notes in Mathematics*, 1237:188–206, 1987. CODEN LNMAA2. ISBN 3-540-17212-2 (print), 3-540-47412-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072464/>.

Jockusch:1985:GRE

- [Joc85] Carl G. Jockusch, Jr. Genericity for recursively enumerable sets. *Lecture Notes in Mathematics*, 1141:203–232, 1985. CODEN LNMAA2. ISBN 3-540-15673-9 (print), 3-540-39596-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076222/>.

Johnson:1986:ECG

- [Joh86] Russell A. Johnson. An example concerning the geometric significance of the rotation number — integrated density of states. *Lecture Notes in Mathematics*, 1186:216–226, 1986. CODEN LNMAA2. ISBN 3-540-16458-8 (print), 3-540-39795-7 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076841/>.

Johnson:1988:D

- [Joh88a] B. E. Johnson. Derivations from $L^1(G)$ into $L^1(G)$ and $L^\infty(G)$. *Lecture Notes in Mathematics*, 1359:191–198, 1988. CODEN LNMAA2. ISBN 3-540-50524-5 (print), 3-540-46032-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086599/>.

Johnson:1988:HBS

- [Joh88b] William B. Johnson. Homogeneous Banach spaces. *Lecture Notes in Mathematics*, 1317:201–203, 1988. CODEN LNMAA2. ISBN 3-540-19353-7 (print), 3-540-39235-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081741/>.

John:1989:SQL

- [Joh89a] Fritz John. Solutions of quasi-linear wave equations with small initial data. *Lecture Notes in Mathematics*, 1402:155–184, 1989. CODEN LNMAA2. ISBN 3-540-51746-4 (print), 3-540-46800-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083874/>.

Johnson:1989:BCP

- [Joh89b] Ellis L. Johnson. On binary group problems having the Fulkerson property. *Lecture Notes in Mathematics*, 1403:57–112, 1989. CODEN LNMAA2. ISBN 3-540-51797-9 (print), 3-540-46810-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083462/>.

Jøndrup:1985:HPA

- [Jøn85] S. Jøndrup. Hereditary P.I. algebras. *Lecture Notes in Mathematics*, 1146:405–420, 1985. CODEN LNMAA2. ISBN 3-540-15686-0 (print), 3-540-39628-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074549/>.

Jones:1988:CSV

- [Jon88] Peter R. Jones. Congruence semimodular varieties of semigroups. *Lecture Notes in Mathematics*, 1320:162–171, 1988. CODEN LNMAA2. ISBN 3-540-19347-2 (print), 3-540-39225-4 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083429/>.

Jones:1989:SFC

- [Jon89] Peter W. Jones. Square functions, Cauchy integrals, analytic capacity, and harmonic measure. *Lecture Notes in Mathematics*, 1384:24–68, 1989. CODEN LNMAA2. ISBN 3-540-51460-0 (print), 3-540-48134-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086793/>.

Joshi:1985:SRS

- [Jos85a] V. S. Joshi. Sums of reciprocals of some non-vanishing multiplicative functions. *Lecture Notes in Mathematics*, 1122:140–146, 1985. CODEN LNMAA2. ISBN 3-540-15222-9 (print), 3-540-39642-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075757/>.

Jost:1985:LHM

- [Jos85b] Jürgen Jost. Lectures on harmonic maps. *Lecture Notes in Mathematics*, 1161:118–192, 1985. CODEN LNMAA2. ISBN 3-540-16040-X (print), 3-540-39716-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075137/>.

Joseph:1987:CAC

- [Jos87a] A. Joseph. Corrigenda and addenda to “On the cyclicity of vectors associated with Duflo involutions”. *Lecture Notes in Mathematics*, 1243:181–188, 1987. CODEN LNMAA2. ISBN 3-540-17701-9 (print), 3-540-47775-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073022/>. See [Jos87b].

Joseph:1987:CVA

- [Jos87b] Anthony Joseph. On the cyclicity of vectors associated with Duflo involutions. *Lecture Notes in Mathematics*, 1243:144–180, 1987. CODEN LNMAA2. ISBN 3-540-17701-9 (print), 3-540-47775-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073021/>. See corrigenda and addenda [Jos87a].

Jost:1988:HMA

- [Jos88] Jürgen Jost. Harmonic maps — analytic theory and geometric significance. *Lecture Notes in Mathematics*, 1357:264–296, 1988. CODEN LNMAA2. ISBN 3-540-50508-3 (print), 3-540-46024-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082871/>.

Joyal:1986:FAE

- [Joy86] André Joyal. Foncteurs analytiques et espèces de structures. (French) []. *Lecture Notes in Mathematics*, 1234:126–159, 1986. CODEN LNMAA2. ISBN 3-540-17207-6 (print), 3-540-47402-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072514/>.

Jozefiak:1988:SS

- [Józ88] Tadeusz Józefiak. Semisimple superalgebras. *Lecture Notes in Mathematics*, 1352:96–113, 1988. CODEN LNMAA2. ISBN 3-540-50371-4 (print), 3-540-45994-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082020/>.

Jackowski:1986:TGP

- [JP86] Stefan Jackowski and Krzysztof Pawłowski, editors. *Transformation Groups Poznań 1985: Proceedings of a Symposium held in Poznań, July 5–9, 1985*, volume 1217 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16824-9 (print), 3-540-47097-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1217. URL <http://link.springer.com/book/10.1007/BFb0072810>; <http://www.springerlink.com/content/978-3-540-47097-7>.

Qiu:1988:ASC

- [jQxQ88] Qing jiu Qiu and Si xin Qian. Analysis of C^∞ -singularities for a class of operators with varying multiple characteristics. *Lecture Notes in Mathematics*, 1306:141–148, 1988. CODEN LNMAA2. ISBN 3-540-19097-X (print), 3-540-39107-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082930/>.

Johnstone:1988:WPH

- [JS88] Peter Johnstone and Shu-Hao Sun. Weak products and Hausdorff locales. *Lecture Notes in Mathematics*, 1348:173–193, 1988.

CODEN LNMAA2. ISBN 3-540-50362-5 (print), 3-540-45985-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081358/>.

Jerison:1987:SSO

- [JSC87] David Jerison and Antonio Sánchez-Calle. Subelliptic, second order differential operators. *Lecture Notes in Mathematics*, 1277: 46–77, 1987. CODEN LNMAA2. ISBN 3-540-18355-8 (print), 3-540-47893-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078245/>.

Jacobsen:1986:OCR

- [JT86] L. Jacobsen and W. J. Thron. Oval convergence regions and circular limit regions for continued fractions $K(a_n/1)$. *Lecture Notes in Mathematics*, 1199:90–126, 1986. CODEN LNMAA2. ISBN 3-540-16768-4 (print), 3-540-38817-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075937/>.

Jacobsen:1989:JWH

- [JTW89] Lisa Jacobsen, W. J. Thron, and Haakon Waadeland. Julius Worpitzky, his contributions to the analytic theory of continued fractions and his times. *Lecture Notes in Mathematics*, 1406:25–47, 1989. CODEN LNMAA2. ISBN 3-540-51830-4 (print), 3-540-46820-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0096164/>.

Jurek:1985:RIR

- [Jur85] Zbigniew J. Jurek. Random integral representation for another class of limit laws. *Lecture Notes in Mathematics*, 1153:297–309, 1985. CODEN LNMAA2. ISBN 3-540-15704-2 (print), 3-540-39645-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074956/>.

Jurek:1989:LSA

- [Jur89] Zbigniew J. Jurek. Linear supports and absolute continuity of certain random integrals. *Lecture Notes in Mathematics*, 1391: 140–147, 1989. CODEN LNMAA2. ISBN 3-540-51548-8 (print), 3-540-48244-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083387/>.

Jutila:1989:MVE

- [Jut89] M. Jutila. Mean value estimates for exponential sums. *Lecture Notes in Mathematics*, 1380:120–136, 1989. CODEN LNMAA2. ISBN 3-540-51397-3 (print), 3-540-46205-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086549/>.

Julg:1985:GAI

- [JV85] Pierre Julg and Alain Valette. Group actions on Irees and K -amenability. *Lecture Notes in Mathematics*, 1132:289–296, 1985. CODEN LNMAA2. ISBN 3-540-15643-7 (print), 3-540-39514-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074889/>.

Jones:1989:PFE

- [JW89] William B. Jones and Nancy J. Wyshinski. Positive T -fraction expansions for a family of special functions. *Lecture Notes in Mathematics*, 1406:48–66, 1989. CODEN LNMAA2. ISBN 3-540-51830-4 (print), 3-540-46820-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0096165/>.

Jeulin:1985:GFE

- [JY85] Th. Jeulin and M. Yor, editors. *Grossissements de filtrations: exemples et applications: Séminaire de Calcul Stochastique 1982/83 Université Paris VI*, volume 1118 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15210-5 (print), 3-540-39339-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1118. URL [http://link.springer.com/book/10.1007/BFb0075765](http://link.springer.com/book/10.1007/BFb0075765;); <http://www.springerlink.com/content/978-3-540-39339-9>.

Kacur:1986:MRE

- [Kač86] J. Kačur. Method of Rothe in evolution equations. *Lecture Notes in Mathematics*, 1192:23–34, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076049/>.

Kagan:1985:PSL

- [Kag85] A. M. Kagan. Partial sufficiency of linear forms. *Lecture Notes in Mathematics*, 1155:60–80, 1985. CODEN LNMAA2. ISBN

3-540-15985-1 (print), 3-540-39686-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074813/>.

Kagan:1989:MAC

- [Kag89a] A. M. Kagan. A multivariate analog of the Cramér theorem on components of the Gaussian distributions. *Lecture Notes in Mathematics*, 1412:68–77, 1989. CODEN LNMAA2. ISBN 3-540-51948-3 (print), 3-540-46863-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084165/>.

Kagan:1989:RLT

- [Kag89b] F. M. Kagan. A refinement of Lukacs theorems. *Lecture Notes in Mathematics*, 1412:78–82, 1989. CODEN LNMAA2. ISBN 3-540-51948-3 (print), 3-540-46863-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084166/>.

Kahane:1988:DMS

- [Kah88] Jean-Pierre Kahane. Désintégration des mesures selon la dimension et chaos multiplicatif. (French) []. *Lecture Notes in Mathematics*, 1359:199–208, 1988. CODEN LNMAA2. ISBN 3-540-50524-5 (print), 3-540-46032-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086600/>.

Kaise:1987:ADF

- [Kai87a] Tetsuo Kaise. Algèbres de division et GL_n . (French) []. *Lecture Notes in Mathematics*, 1252:99–201, 1987. CODEN LNMAA2. ISBN 3-540-17827-9 (print), 3-540-47871-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077392/>.

Kaise:1987:RWF

- [Kai87b] Tetsuo Kaise. Représentations de Weil de GL_2 . (French) []. *Lecture Notes in Mathematics*, 1252:1–98, 1987. CODEN LNMAA2. ISBN 3-540-17827-9 (print), 3-540-47871-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077391/>.

Kaise:1987:RWA

- [Kai87c] Tetsuo Kaise. *Représentations de Weil et GL_2 Algèbres de division et GL_n : (Vers les corps de classes galoisiens I, II). (French) [Weil representations and $rmGL_2$ division algebras and $rmGL_n$: (Toward the body of Galois classes I, II)]*, volume 1252 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-17827-9 (print), 3-540-47871-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). viii + 203 pp. LCCN QA3 .L28 no. 1252. URL <http://link.springer.com/book/10.1007/BFb0077390>; <http://www.springerlink.com/content/978-3-540-47871-3>.

Kakuda:1989:RFQ

- [Kak89] Yuzuru Kakuda. The role of a filter quantifier in set theory. *Lecture Notes in Mathematics*, 1388:16–95, 1989. CODEN LNMAA2. ISBN 3-540-51527-5 (print), 3-540-48220-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083665/>.

Kalashnikov:1985:RCE

- [Kal85] V. V. Kalashnikov. The rate of convergence of Erlang distribution to the degenerate one. *Lecture Notes in Mathematics*, 1155:95–101, 1985. CODEN LNMAA2. ISBN 3-540-15985-1 (print), 3-540-39686-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074815/>.

Kalton:1986:DPV

- [Kal86a] N. J. Kalton. Differentiability properties of vector valued functions. *Lecture Notes in Mathematics*, 1221:141–181, 1986. CODEN LNMAA2. ISBN 3-540-17186-X (print), 3-540-47344-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099113/>.

Kalton:1986:SAV

- [Kal86b] N. J. Kalton. Some applications of vector-valued analytic and harmonic functions. *Lecture Notes in Mathematics*, 1221:114–140, 1986. CODEN LNMAA2. ISBN 3-540-17186-X (print), 3-540-47344-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099112/>.

Kamishima:1985:PAH

- [Kam85] Yoshinobu Kamishima. Proper actions on homogeneous spaces. *Lecture Notes in Mathematics*, 1167:168–179, 1985. CODEN LNMAA2. ISBN 3-540-16053-1 (print), 3-540-39738-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075223/>.

Kamata:1989:CNU

- [Kam89a] Masayoshi Kamata. On the characteristic numbers of unitary semi-free S^1 -manifolds. *Lecture Notes in Mathematics*, 1375:126–131, 1989. CODEN LNMAA2. ISBN 3-540-51218-7 (print), 3-540-46178-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085604/>.

Kamishima:1989:CCA

- [Kam89b] Yoshinobu Kamishima. Conformal circle actions on 3-manifolds. *Lecture Notes in Mathematics*, 1375:132–144, 1989. CODEN LNMAA2. ISBN 3-540-51218-7 (print), 3-540-46178-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085605/>.

Kanev:1985:TDG

- [Kan85] Vasil Kanev. Theta divisors of generalized Prym varieties I. *Lecture Notes in Mathematics*, 1124:166–215, 1985. CODEN LNMAA2. ISBN 3-540-15232-6 (print), 3-540-39643-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075001/>.

Kanai:1986:AIR

- [Kan86a] Masahiko Kanai. Analytic inequalities, and rough isometries between non-compact Riemannian manifolds. *Lecture Notes in Mathematics*, 1201:122–137, 1986. CODEN LNMAA2. ISBN 3-540-16770-6 (print), 3-540-38827-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075650/>.

Kaniuth:1986:EMP

- [Kan86b] Eberhard Kaniuth. Ergodic and mixing properties of measures on locally compact groups. *Lecture Notes in Mathematics*, 1210:125–129, 1986. CODEN LNMAA2. ISBN 3-540-16806-0 (print),

3-540-44852-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077178/>.

Kantor:1986:GPS

- [Kan86c] William M. Kantor. Generalized polygons, SCABs and GABs. *Lecture Notes in Mathematics*, 1181:79–158, 1986. CODEN LNMAA2. ISBN 3-540-16466-9 (print), 3-540-39801-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075513/>.

Kang:1987:PAD

- [Kan87] Li Shan Kang. Parallel algorithms and domain decomposition. *Lecture Notes in Mathematics*, 1297:61–75, 1987. CODEN LNMAA2. ISSN 0075-8434 (print), 1617-9692 (electronic).

Kanai:1988:TEG

- [Kan88a] Masahiko Kanai. Tensorial ergodicity of geodesic flows. *Lecture Notes in Mathematics*, 1339:142–157, 1988. CODEN LNMAA2. ISBN 3-540-50113-4 (print), 3-540-45930-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083053/>.

Kanda:1988:PRB

- [Kan88b] Mamoru Kanda. Problems on a relation between measures and corresponding potentials. *Lecture Notes in Mathematics*, 1344:205–206, 1988. CODEN LNMAA2. ISBN 3-540-50210-6 (print), 3-540-45952-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0103355>.

Kanenobu:1989:UDS

- [Kan89] Taizo Kanenobu. Untwisted deform-spun knots: Examples of symmetry-spun 2-knots. *Lecture Notes in Mathematics*, 1375:145–167, 1989. CODEN LNMAA2. ISBN 3-540-51218-7 (print), 3-540-46178-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085606/>.

Karni:1985:CNG

- [Kar85] Shimy Karni. Covering numbers of groups of small order and sporadic groups. *Lecture Notes in Mathematics*, 1112:52–196, 1985. CODEN LNMAA2. ISBN 3-540-13916-8 (print), 3-540-39142-8

(e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072287/>.

Karoubi:1989:CHC

- [Kar89] Max Karoubi. Cyclic homology and characteristic classes of bundles with additional structures. *Lecture Notes in Mathematics*, 1370:235–242, 1989. CODEN LNMAA2. ISBN 3-540-51118-0 (print), 3-540-46160-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085231/>.

Kasahara:1986:EPS

- [Kas86] Yuji Kasahara. Extremal process as a substitution for ‘one-sided stable process with index 0’. *Lecture Notes in Mathematics*, 1203:90–100, 1986. CODEN LNMAA2. ISBN 3-540-16773-0 (print), 3-540-39852-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076875/>.

Kashiwara:1987:PLV

- [Kas87] Masaki Kashiwara. Poincaré lemma for a variation of polarized Hodge structure. *Lecture Notes in Mathematics*, 1246:115–124, 1987. CODEN LNMAA2. ISBN 3-540-17743-4 (print), 3-540-47794-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077534/>.

Kasue:1988:HFG

- [Kas88] Atsushi Kasue. Harmonic functions with growth conditions on a manifold of asymptotically nonnegative curvature I. *Lecture Notes in Mathematics*, 1339:158–181, 1988. CODEN LNMAA2. ISBN 3-540-50113-4 (print), 3-540-45930-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083054/>.

Katai:1985:RPK

- [Kát85a] I. Kátai. A remark on a paper of K. Ramachandra. *Lecture Notes in Mathematics*, 1122:147–152, 1985. CODEN LNMAA2. ISBN 3-540-15222-9 (print), 3-540-39642-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075758/>.

Katre:1985:JST

- [Kat85b] S. A. Katre. Jacobsthal sums in terms of quadratic partitions of a prime. *Lecture Notes in Mathematics*, 1122:153–162, 1985. CODEN LNMAA2. ISBN 3-540-15222-9 (print), 3-540-39642-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075759/>.

Katsuda:1986:PPL

- [Kat86a] Atsushi Katsuda. A pinching problem for locally homogeneous spaces. *Lecture Notes in Mathematics*, 1201:150–155, 1986. CODEN LNMAA2. ISBN 3-540-16770-6 (print), 3-540-38827-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075652/>.

Katz:1986:NCA

- [Kat86b] Gabriel Katz. Normal combinatorics of G -actions on manifolds. *Lecture Notes in Mathematics*, 1217:167–182, 1986. CODEN LNMAA2. ISBN 3-540-16824-9 (print), 3-540-47097-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072822/>.

Katsuda:1988:DTC

- [Kat88a] Atsushi Katsuda. Density theorems for closed orbits. *Lecture Notes in Mathematics*, 1339:182–202, 1988. CODEN LNMAA2. ISBN 3-540-50113-4 (print), 3-540-45930-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083055/>.

Katz:1988:IMP

- [Kat88b] Sheldon Katz. Iteration of multiple point formulas and applications to conics. *Lecture Notes in Mathematics*, 1311:147–155, 1988. CODEN LNMAA2. ISBN 3-540-19236-0 (print), 3-540-39157-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082913/>.

Kato:1989:SAC

- [Kat89a] Mitsuyoshi Kato. On some Abelian complex reflection groups. *Lecture Notes in Mathematics*, 1375:168–182, 1989. CODEN LNMAA2. ISBN 3-540-51218-7 (print), 3-540-46178-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085607/>.

Katsutani:1989:SSM

- [Kat89b] Hiroaki Katsutani. Syntactical simulation of many-valued logic. *Lecture Notes in Mathematics*, 1388:96–119, 1989. CODEN LNMAA2. ISBN 3-540-51527-5 (print), 3-540-48220-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083666/>.

Kaufman:1987:HMR

- [Kau87] Robert Kaufman. Hausdorff measures and removable sets. *Lecture Notes in Mathematics*, 1275:215–222, 1987. CODEN LNMAA2. ISBN 3-540-18356-6 (print), 3-540-47899-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078354/>.

Kawohl:1985:I

- [Kaw85a] Bernhard Kawohl. Introduction. *Lecture Notes in Mathematics*, 1150:1–6, 1985. CODEN LNMAA2. ISBN 3-540-15693-3 (print), 3-540-39639-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075061/>.

Kawohl:1985:MP

- [Kaw85b] Bernhard Kawohl. Maximum principles. *Lecture Notes in Mathematics*, 1150:100–122, 1985. CODEN LNMAA2. ISBN 3-540-15693-3 (print), 3-540-39639-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075063/>.

Kawohl:1985:R

- [Kaw85c] Bernhard Kawohl. Rearrangements. *Lecture Notes in Mathematics*, 1150:7–99, 1985. CODEN LNMAA2. ISBN 3-540-15693-3 (print), 3-540-39639-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075062/>.

Kawohl:1985:RCL

- [Kaw85d] Bernhard Kawohl. *Rearrangements and Convexity of Level Sets in PDE*, volume 1150 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15693-3 (print), 3-540-39639-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). iv + 136 pp. LCCN QA3 .L28 no. 1150. URL <http://>

[//link.springer.com/book/10.1007/BFb0075060](http://link.springer.com/book/10.1007/BFb0075060); <http://www.springerlink.com/content/978-3-540-39639-0>.

Kawakubo:1986:TIE

- [Kaw86a] K. Kawakubo. Topological invariance of equivariant rational Pontrjagin classes. *Lecture Notes in Mathematics*, 1217:183–195, 1986. CODEN LNMAA2. ISBN 3-540-16824-9 (print), 3-540-47097-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072823/>.

Kawamata:1986:MMP

- [Kaw86b] Yujiro Kawamata. On the minimal model problem. *Lecture Notes in Mathematics*, 1194:41–55, 1986. CODEN LNMAA2. ISBN 3-540-16490-1 (print), 3-540-39829-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076994/>.

Kawazoe:1987:AHS

- [Kaw87] Takeshi Kawazoe. Atomic Hardy spaces on semisimple Lie groups. *Lecture Notes in Mathematics*, 1243:189–197, 1987. CODEN LNMAA2. ISBN 3-540-17701-9 (print), 3-540-47775-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073023/>.

Kawohl:1988:OPC

- [Kaw88] Bernhard Kawohl. Open problems connected with level sets of harmonic functions. *Lecture Notes in Mathematics*, 1344:207–210, 1988. CODEN LNMAA2. ISBN 3-540-50210-6 (print), 3-540-45952-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0103356/>.

Kawakubo:1989:CTD

- [Kaw89] Katsuo Kawakubo. G - s -cobordism theorems do not hold in general for many compact Lie groups G . *Lecture Notes in Mathematics*, 1375:183–190, 1989. CODEN LNMAA2. ISBN 3-540-51218-7 (print), 3-540-46178-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085608/>.

Kazdan:1987:PDE

- [Kaz87] Jerry L. Kazdan. Partial differential equations in differential geometry. *Lecture Notes in Mathematics*, 1263:134–170, 1987. CODEN

LNMAA2. ISBN 3-540-18012-5 (print), 3-540-47249-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078612/>.

Kazamaki:1989:RCM

- [Kaz89] N. Kazamaki. A remark on the class of martingales with bounded quadratic variation. *Lecture Notes in Mathematics*, 1372:47–51, 1989. CODEN LNMAA2. ISBN 3-540-51191-1 (print), 3-540-46176-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083958/>.

Kania-Bartoszyńska:1986:IH

- [KB86] Joanna Kania-Bartoszyńska. Involutions on 2-handlebodies. *Lecture Notes in Mathematics*, 1217:151–166, 1986. CODEN LNMAA2. ISBN 3-540-16824-9 (print), 3-540-47097-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072821/>.

Kechris:1985:SES

- [Kec85] Alexander S. Kechris. Sets of everywhere singular functions. *Lecture Notes in Mathematics*, 1141:233–244, 1985. CODEN LNMAA2. ISBN 3-540-15673-9 (print), 3-540-39596-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076223/>.

Kechris:1988:AUE

- [Kec88a] Alexander S. Kechris. “AD + uniformization” is equivalent to “half ad_R ”. *Lecture Notes in Mathematics*, 1333:98–102, 1988. CODEN LNMAA2. ISBN 3-540-50020-0 (print), 3-540-45896-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084971/>.

Kechris:1988:CTM

- [Kec88b] Alexander S. Kechris. A coding theorem for measures. *Lecture Notes in Mathematics*, 1333:103–109, 1988. CODEN LNMAA2. ISBN 3-540-50020-0 (print), 3-540-45896-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084972/>.

Kechris:1988:SCR

- [Kec88c] Alexander S. Kechris. Subsets of \mathbb{N}_1 constructible from a real. *Lecture Notes in Mathematics*, 1333:110–116, 1988. CODEN LN-

MAA2. ISBN 3-540-50020-0 (print), 3-540-45896-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084973/>.

Keesling:1987:USS

- [Kee87] James Keesling. Using solenoids in the study of the Stone-Ćech compactification. *Lecture Notes in Mathematics*, 1283:131–147, 1987. CODEN LNMAA2. ISBN 3-540-18443-0 (print), 3-540-47975-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081424/>.

Keisler:1987:CES

- [Kei87] H. Jerome Keisler. Choosing elements in a saturated model. *Lecture Notes in Mathematics*, 1292:165–181, 1987. CODEN LNMAA2. ISBN 3-540-18674-3 (print), 3-540-48049-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082237/>.

Kempf:1987:CI

- [Kem87] George R. Kempf. Computing invariants. *Lecture Notes in Mathematics*, 1278:81–94, 1987. CODEN LNMAA2. ISBN 3-540-18360-4 (print), 3-540-47908-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078808/>.

Kenig:1989:RTC

- [Ken89] Carlos E. Kenig. Restriction theorems, Carleman estimates, uniform Sobolev inequalities and unique continuation. *Lecture Notes in Mathematics*, 1384:69–90, 1989. CODEN LNMAA2. ISBN 3-540-51460-0 (print), 3-540-48134-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086794/>.

Kerner:1985:DGA

- [Ker85] R. Kerner. Differential geometrical approach to the theory of amorphous solids. *Lecture Notes in Mathematics*, 1139:311–327, 1985. CODEN LNMAA2. ISBN 3-540-15666-6 (print), 3-540-39585-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074592/>.

Kerber:1986:EUf

- [Ker86] Adalbert Kerber. Enumeration under finite group action: Symmetry classes of mappings. *Lecture Notes in Mathematics*, 1234: 160–176, 1986. CODEN LNMAA2. ISBN 3-540-17207-6 (print), 3-540-47402-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072515/>.

Kerner:1987:CKK

- [Ker87] Richard Kerner. Cosmology and Kaluza–Klein theories. *Lecture Notes in Mathematics*, 1251:150–174, 1987. CODEN LNMAA2. ISBN 3-540-17816-3 (print), 3-540-47854-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077320/>.

Kesten:1986:AFP

- [Kes86] Harry Kesten. Aspects of first passage percolation. *Lecture Notes in Mathematics*, 1180:125–264, 1986. CODEN LNMAA2. ISBN 3-540-16441-3 (print), 3-540-39781-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074919/>.

Keselman:1988:EBC

- [Kes88a] D. G. Keselman. On the extremal boundary of convex compact measures which represent a non-regular point in Choquet simplex. *Lecture Notes in Mathematics*, 1344:211–213, 1988. CODEN LNMAA2. ISBN 3-540-50210-6 (print), 3-540-45952-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0103357/>.

Keselman:1988:PCH

- [Kes88b] D. G. Keselman. The problem of construction of the harmonic space based on Choquet simplex. *Lecture Notes in Mathematics*, 1344:214–215, 1988. CODEN LNMAA2. ISBN 3-540-50210-6 (print), 3-540-45952-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0103358>.

Keselman:1988:PQI

- [Kes88c] D. G. Keselman. The problem on quasi-interior in Choquet simplexes. *Lecture Notes in Mathematics*, 1344:216–219, 1988. CODEN LNMAA2. ISBN 3-540-50210-6 (print), 3-540-45952-9 (e-

book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0103359/>.

Keyfitz:1987:SNH

- [Key87] Barbara Lee Keyfitz. A survey of nonstrictly hyperbolic conservation laws. *Lecture Notes in Mathematics*, 1270:152–162, 1987. CODEN LNMAA2. ISBN 3-540-18200-4 (print), 3-540-47805-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078325/>.

Kubicek:1986:NDS

- [KH86] M. Kubíček and M. Holodniok. Nonlinear dynamics systems-bifurcations, continuation methods, periodic solutions. *Lecture Notes in Mathematics*, 1192:379–386, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076097/>.

Khavinson:1985:NTO

- [Kha85] D. Khavinson. A note on Toeplitz operators. *Lecture Notes in Mathematics*, 1166:89–94, 1985. CODEN LNMAA2. ISBN 3-540-16051-5 (print), 3-540-39736-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074697/>.

Kharlamov:1988:NSD

- [Kha88] V. M. Kharlamov. Nonamphicheiral surfaces of degree 4 in $\mathbf{R}P^3$. *Lecture Notes in Mathematics*, 1346:349–356, 1988. CODEN LNMAA2. ISBN 3-540-50237-8 (print), 3-540-45958-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082783/>.

Khazal:1989:NMS

- [Kha89] Reyadh R. Khazal. A note on maximal subgroups in finite groups. *Lecture Notes in Mathematics*, 1398:106–109, 1989. CODEN LNMAA2. ISBN 3-540-51695-6 (print), 3-540-46756-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086246/>.

Khimshiashvili:1986:TIL

- [Khi86] G. N. Khimshiashvili. On the topology of invertible linear singular integral operators. *Lecture Notes in Mathematics*, 1214:211–230, 1986. CODEN LNMAA2. ISBN 3-540-16821-4 (print),

3-540-47084-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075967/>.

Kono:1987:SOC

- [KI87] Akira Kono and Kiminao Ishitoya. Squaring operations in mod 2 cohomology of quotients of compact Lie groups by maximal tori. *Lecture Notes in Mathematics*, 1298:192–206, 1987. CODEN LNMAA2. ISBN 3-540-18729-4 (print), 3-540-48122-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083010/>.

Kifer:1986:CER

- [Kif86] Yuri Kifer. Characteristic exponents for random homeomorphisms of metric spaces. *Lecture Notes in Mathematics*, 1186:74–84, 1986. CODEN LNMAA2. ISBN 3-540-16458-8 (print), 3-540-39795-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076834/>.

Kifer:1988:NIN

- [Kif88a] Yuri Kifer. A note on integrability of C^r -norms of stochastic flows and applications. *Lecture Notes in Mathematics*, 1325:125–131, 1988. CODEN LNMAA2. ISBN 3-540-50015-4 (print), 3-540-45887-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077921/>.

Kifer:1988:NSM

- [Kif88b] Yuri Kifer. A note on stochastic models with expanding transformations. *Lecture Notes in Mathematics*, 1325:132–140, 1988. CODEN LNMAA2. ISBN 3-540-50015-4 (print), 3-540-45887-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077922/>.

Kikuchi:1989:BER

- [Kik89] M. Kikuchi. The best estimation of a ratio inequality for continuous martingales. *Lecture Notes in Mathematics*, 1372:52–56, 1989. CODEN LNMAA2. ISBN 3-540-51191-1 (print), 3-540-46176-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083959/>.

Kimura:1986:DMP

- [Kim86] Motoo Kimura. Diffusion model of population genetics incorporating group selection, with special reference to an altruistic trait. *Lecture Notes in Mathematics*, 1203:101–118, 1986. CODEN LNMAA2. ISBN 3-540-16773-0 (print), 3-540-39852-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076876/>.

Kirsch:1985:RSO

- [Kir85a] Werner Kirsch. Random Schrödinger operators and the density of states. *Lecture Notes in Mathematics*, 1109:68–102, 1985. CODEN LNMAA2. ISBN 3-540-13914-1 (print), 3-540-39138-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101538/>.

Kirschenhofer:1985:AUD

- [Kir85b] P. Kirschenhofer. Asymptotische Untersuchungen Zur Durchschnittlichen Gestalt Gewisser Graphenklassen. (German) []. *Lecture Notes in Mathematics*, 1114:40–54, 1985. CODEN LNMAA2. ISBN 3-540-15189-3 (print), 3-540-39281-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101644/>.

Kirsch:1986:LES

- [Kir86] W. Kirsch. Lyapunov exponents for Schrödinger operators with random, but deterministic potentials. *Lecture Notes in Mathematics*, 1186:227–241, 1986. CODEN LNMAA2. ISBN 3-540-16458-8 (print), 3-540-39795-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076842/>.

Kirsch:1987:EDB

- [Kir87a] Werner Kirsch. Estimates on the difference between succeeding eigenvalues and Lifshitz tails for random Schrödinger operators. *Lecture Notes in Mathematics*, 1250:138–151, 1987. CODEN LNMAA2. ISBN 3-540-17797-3 (print), 3-540-47835-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077354/>.

Kirschenhofer:1987:AUD

- [Kir87b] Peter Kirschenhofer. Asymptotische Untersuchungen zur Durchschnittlichen Gestalt Gewisser Graphenklassen II. (German) [].

Lecture Notes in Mathematics, 1262:86–92, 1987. CODEN LNMAA2. ISBN 3-540-18015-X (print), 3-540-47256-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078597/>.

Kirk:1988:LMF

[Kir88] Paul A. Kirk. Link maps in the four sphere. *Lecture Notes in Mathematics*, 1350:31–43, 1988. CODEN LNMAA2. ISBN 3-540-50369-2 (print), 3-540-45990-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081467/>.

Kirby:1989:MMZ

[Kir89a] Robion C. Kirby. $p_1(M) = 3\sigma(M)$, $\omega_4^{\text{so}} = Z$ and $\omega_4^{\text{spin}} = Z$. *Lecture Notes in Mathematics*, 1374:57–58, 1989. CODEN LNMAA2. ISBN 3-540-51148-2 (print), 3-540-46171-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089041>.

Kirby:1989:TLC

[Kir89b] Robion C. Kirby. T_{Lie}^3 and $CP^2 \#(-CP^2)$. *Lecture Notes in Mathematics*, 1374:38–42, 1989. CODEN LNMAA2. ISBN 3-540-51148-2 (print), 3-540-46171-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089037/>.

Kirby:1989:MD

[Kir89c] Robion C. Kirby. 3-manifolds; a digression. *Lecture Notes in Mathematics*, 1374:46–48, 1989. CODEN LNMAA2. ISBN 3-540-51148-2 (print), 3-540-46171-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089039/>.

Kirby:1989:BMb

[Kir89d] Robion C. Kirby. Back matter. *Lecture Notes in Mathematics*, 1374:??, 1989. CODEN LNMAA2. ISBN 3-540-51148-2 (print), 3-540-46171-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-540-46171-5/1.pdf>.

Kirby:1989:BMa

[Kir89e] Robion C. Kirby. Bounding 5-manifolds. *Lecture Notes in Mathematics*, 1374:49–56, 1989. CODEN LNMAA2. ISBN 3-540-51148-

2 (print), 3-540-46171-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089040/>.

Kirby:1989:CH

[Kir89f] Robion C. Kirby. Casson handles. *Lecture Notes in Mathematics*, 1374:72–85, 1989. CODEN LNMAA2. ISBN 3-540-51148-2 (print), 3-540-46171-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089044/>.

Kirby:1989:CT

[Kir89g] Robion C. Kirby. Classification theorems. *Lecture Notes in Mathematics*, 1374:31–32, 1989. CODEN LNMAA2. ISBN 3-540-51148-2 (print), 3-540-46171-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089035>.

Kirby:1989:E

[Kir89h] Robion C. Kirby. Exotic R^4 's. *Lecture Notes in Mathematics*, 1374:95–101, 1989. CODEN LNMAA2. ISBN 3-540-51148-2 (print), 3-540-46171-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089046/>.

Kirby:1989:FW

[Kir89i] Robion C. Kirby. Freedman's work. *Lecture Notes in Mathematics*, 1374:86–94, 1989. CODEN LNMAA2. ISBN 3-540-51148-2 (print), 3-540-46171-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089045/>.

Kirby:1989:FM

[Kir89j] Robion C. Kirby. Front matter. *Lecture Notes in Mathematics*, 1374:??, 1989. CODEN LNMAA2. ISBN 3-540-51148-2 (print), 3-540-46171-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-540-46171-5/1.pdf>.

Kirby:1989:HFL

[Kir89k] Robion C. Kirby. Handlebodies and framed links. *Lecture Notes in Mathematics*, 1374:3–19, 1989. CODEN LNMAA2. ISBN 3-540-51148-2 (print), 3-540-46171-X (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089033/>.

Kirby:1989:IM

- [Kir89l] Robion C. Kirby. Immersing 4-manifolds in R^6 . *Lecture Notes in Mathematics*, 1374:43–45, 1989. CODEN LNMAA2. ISBN 3-540-51148-2 (print), 3-540-46171-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089038/>.

Kirby:1989:IF

- [Kir89m] Robion C. Kirby. Intersection forms. *Lecture Notes in Mathematics*, 1374:20–30, 1989. CODEN LNMAA2. ISBN 3-540-51148-2 (print), 3-540-46171-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089034/>.

Kirby:1989:I

- [Kir89n] Robion C. Kirby. Introduction. *Lecture Notes in Mathematics*, 1374:1–2, 1989. CODEN LNMAA2. ISBN 3-540-51148-2 (print), 3-540-46171-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089032/>.

Kirby:1989:RT

- [Kir89o] Robion C. Kirby. Rohlin's theorem. *Lecture Notes in Mathematics*, 1374:64–71, 1989. CODEN LNMAA2. ISBN 3-540-51148-2 (print), 3-540-46171-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089043/>.

Kirby:1989:SS

- [Kir89p] Robion C. Kirby. Spin structures. *Lecture Notes in Mathematics*, 1374:33–37, 1989. CODEN LNMAA2. ISBN 3-540-51148-2 (print), 3-540-46171-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089036/>.

Kirby:1989:WDC

- [Kir89q] Robion C. Kirby. Wall's diffeomorphisms and H -cobordism. *Lecture Notes in Mathematics*, 1374:59–63, 1989. CODEN LNMAA2. ISBN 3-540-51148-2 (print), 3-540-46171-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089042/>.

Kiss:1985:NVG

- [Kis85] Emil W. Kiss. A note on varieties of graph algebras. *Lecture Notes in Mathematics*, 1149:163–166, 1985. CODEN LNMAA2. ISBN 3-540-15691-7 (print), 3-540-39638-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098463/>.

Kisynski:1986:JPM

- [Kis86] Jan Kiszyński. On jumps of paths of Markov processes. *Lecture Notes in Mathematics*, 1210:130–145, 1986. CODEN LNMAA2. ISBN 3-540-16806-0 (print), 3-540-44852-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077179/>.

Kisynski:1989:LFI

- [Kis89] Jan Kiszyński. Localizations of Feller infinitesimal generators and uniqueness of corresponding killed processes. *Lecture Notes in Mathematics*, 1379:141–178, 1989. CODEN LNMAA2. ISBN 3-540-51401-5 (print), 3-540-46206-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087852/>.

Kiwiel:1985:ASM

- [Kiw85a] Krzysztof C. Kiwiel. Aggregate subgradient methods for unconstrained convex minimization. *Lecture Notes in Mathematics*, 1133:44–86, 1985. CODEN LNMAA2. ISBN 3-540-15642-9 (print), 3-540-39509-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074502/>.

Kiwiel:1985:BM

- [Kiw85b] Krzysztof C. Kiwiel. Bundle methods. *Lecture Notes in Mathematics*, 1133:299–344, 1985. CODEN LNMAA2. ISBN 3-540-15642-9 (print), 3-540-39509-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074507/>.

Kiwiel:1985:FPM

- [Kiw85c] Krzysztof C. Kiwiel. Feasible point methods for convex constrained minimization problems. *Lecture Notes in Mathematics*, 1133:190–228, 1985. CODEN LNMAA2. ISBN 3-540-15642-9

(print), 3-540-39509-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074505/>.

Kiwiel:1985:F

- [Kiw85d] Krzysztof C. Kiwiel. Fundamentals. *Lecture Notes in Mathematics*, 1133:1–43, 1985. CODEN LNMAA2. ISBN 3-540-15642-9 (print), 3-540-39509-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074501/>.

Kiwiel:1985:MDN

- [Kiw85e] Krzysztof C. Kiwiel. *Methods of Descent for Nondifferentiable Optimization*, volume 1133 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15642-9 (print), 3-540-39509-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). vi + 362 pp. LCCN QA3 .L28 no. 1133. URL [http://link.springer.com/book/10.1007/BFb0074500](http://link.springer.com/book/10.1007/BFb0074500;); <http://www.springerlink.com/content/978-3-540-39509-6>.

Kiwiel:1985:MFD

- [Kiw85f] Krzysztof C. Kiwiel. Methods of feasible directions for nonconvex constrained problems. *Lecture Notes in Mathematics*, 1133:229–298, 1985. CODEN LNMAA2. ISBN 3-540-15642-9 (print), 3-540-39509-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074506/>.

Kiwiel:1985:MSD

- [Kiw85g] Krzysztof C. Kiwiel. Methods with subgradient deletion rules for unconstrained nonconvex minimization. *Lecture Notes in Mathematics*, 1133:139–189, 1985. CODEN LNMAA2. ISBN 3-540-15642-9 (print), 3-540-39509-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074504/>.

Kiwiel:1985:MSL

- [Kiw85h] Krzysztof C. Kiwiel. Methods with subgradient locality measures for minimizing nonconvex functions. *Lecture Notes in Mathematics*, 1133:87–138, 1985. CODEN LNMAA2. ISBN 3-540-15642-9

(print), 3-540-39509-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074503/>.

Kiwiel:1985:NE

- [Kiw85i] Krzysztof C. Kiwiel. Numerical examples. *Lecture Notes in Mathematics*, 1133:345–353, 1985. CODEN LNMAA2. ISBN 3-540-15642-9 (print), 3-540-39509-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074508/>.

Kurzweil:1986:PIP

- [KJ86] J. Kurzweil and J. Jarník. Perron integral, Perron product integral and ordinary linear differential equations. *Lecture Notes in Mathematics*, 1192:149–154, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076062/>.

Klass:1985:LIL

- [KK85] Michael Klass and James Kuelbs. The law of the iterated logarithm in the ℓ^p spaces. *Lecture Notes in Mathematics*, 1153:310–322, 1985. CODEN LNMAA2. ISBN 3-540-15704-2 (print), 3-540-39645-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074957/>.

Keyfitz:1989:VAS

- [KK89a] Barbara Lee Keyfitz and Herbert C. Kranzer. A viscosity approximation to a system of conservation laws with no classical Riemann solution. *Lecture Notes in Mathematics*, 1402:185–197, 1989. CODEN LNMAA2. ISBN 3-540-51746-4 (print), 3-540-46800-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083875/>.

Ku:1989:PNO

- [KK89b] Hsu-Tung Ku and Mei-Chin Ku. The Pontrjagin numbers of an orbit map and generalized G -signature theorem. *Lecture Notes in Mathematics*, 1375:198–206, 1989. CODEN LNMAA2. ISBN 3-540-51218-7 (print), 3-540-46178-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085610/>.

Kalton:1986:ELP

- [KL86] N. J. Kalton and L. J. Lange. Equimodular limit periodic continued fractions. *Lecture Notes in Mathematics*, 1199:159–219, 1986. CODEN LNMAA2. ISBN 3-540-16768-4 (print), 3-540-38817-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075939/>.

Knight:1987:SSC

- [KL87a] Julia F. Knight and Alistair H. Lachlan. Shrinking, stretching, and codes for homogeneous structures. *Lecture Notes in Mathematics*, 1292:192–229, 1987. CODEN LNMAA2. ISBN 3-540-18674-3 (print), 3-540-48049-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082239/>.

Knopfmacher:1987:AFC

- [KL87b] Arnold Knopfmacher and D. S. Lubinsky. Analogues of Freud's conjecture for Erdős type weights and related polynomial approximation problems. *Lecture Notes in Mathematics*, 1287:21–69, 1987. CODEN LNMAA2. ISBN 3-540-18500-3 (print), 3-540-47991-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078897/>.

Koski:1987:IDP

- [KL87c] Timo Koski and Wilfried Loges. On identification for distributed parameter systems. *Lecture Notes in Mathematics*, 1250:152–159, 1987. CODEN LNMAA2. ISBN 3-540-17797-3 (print), 3-540-47835-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077355/>.

Kaiser:1988:EIM

- [KL88] U. Kaiser and B. H. Li. Enumeration of immersions of m -manifolds in $(2m - 2)$ -manifolds by the singularity method. *Lecture Notes in Mathematics*, 1350:171–187, 1988. CODEN LNMAA2. ISBN 3-540-50369-2 (print), 3-540-45990-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081475/>.

Kleppe:1987:NRC

- [Kle87] Jan O. Kleppe. Non-reduced components of the Hilbert scheme of smooth space curves. *Lecture Notes in Mathematics*, 1266:181–

207, 1987. CODEN LNMAA2. ISBN 3-540-18020-6 (print), 3-540-47708-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078184/>.

Kleppe:1989:LFS

- [Kle89] Jan O. Kleppe. Liaison of families of subschemes in P^n . *Lecture Notes in Mathematics*, 1389:128–173, 1989. CODEN LNMAA2. ISBN 3-540-51509-7 (print), 3-540-48188-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085930/>.

Kulkarni:1985:DSS

- [KLR85] Ravi Kulkarni, Kyung Bai Lee, and Frank Raymond. Deformation spaces for Seifert manifolds. *Lecture Notes in Mathematics*, 1167:180–216, 1985. CODEN LNMAA2. ISBN 3-540-16053-1 (print), 3-540-39738-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075224/>.

Kaspi:1986:PLT

- [KM86a] Haya Kaspi and Bernard Maisonnewe. Predictable local times and exit systems. *Lecture Notes in Mathematics*, 1204:95–100, 1986. CODEN LNMAA2. ISBN 3-540-16779-X (print), 3-540-39860-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075715/>.

Kolp:1986:BCS

- [KM86b] O. Kolp and H. Mierendorff. Bus coupled systems for multigrad algorithms. *Lecture Notes in Mathematics*, 1228:202–218, 1986. CODEN LNMAA2. ISBN 3-540-17198-3 (print), 3-540-47372-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072648/>.

Konig:1987:CNC

- [KM87] Hermann König and Vitali D. Milman. On the covering numbers of convex bodies. *Lecture Notes in Mathematics*, 1267:82–95, 1987. CODEN LNMAA2. ISBN 3-540-18103-2 (print), 3-540-47771-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078138/>.

Kasahara:1988:WCF

- [KM88] Yuji Kasahara and Makoto Maejima. Weak convergence of functionals of point processes on R^d . *Lecture Notes in Mathematics*, 1322:73–84, 1988. CODEN LNMAA2. ISBN 3-540-19352-9 (print), 3-540-39232-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077867/>.

Klebanov:1987:SSL

- [KMM87] L. B. Klebanov, J. A. Melamed, and C. M. Manija. v_p -strictly stable laws and estimation of their parameters. *Lecture Notes in Mathematics*, 1233:23–31, 1987. CODEN LNMAA2. ISBN 3-540-17204-1 (print), 3-540-47394-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072707/>.

Klebanov:1989:PRN

- [KMR89] L. B. Klebanov, J. A. Melamed, and S. T. Rachev. On the products of a random number of random variables in connection with a problem from mathematical economics. *Lecture Notes in Mathematics*, 1412:103–109, 1989. CODEN LNMAA2. ISBN 3-540-51948-3 (print), 3-540-46863-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084168/>.

Kaneko:1988:NAS

- [KN88a] Hiroshi Kaneko and Shintaro Nakao. A note on approximation for stochastic differential equations. *Lecture Notes in Mathematics*, 1321:155–162, 1988. CODEN LNMAA2. ISBN 3-540-19351-0 (print), 3-540-39228-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084132/>.

Kerscher:1988:PSC

- [KN88b] Wolfgang Kerscher and Rainer Nagel. Positivity and stability for Cauchy problems with delay. *Lecture Notes in Mathematics*, 1324:216–235, 1988. CODEN LNMAA2. ISBN 3-540-50111-8 (print), 3-540-45928-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100794/>.

Kawamoto:1989:ECL

- [KN89] Naoki Kawamoto and N. Nomura. Extensions of the class of Lie algebras with the lattice of subideals. *Lecture Notes in Mathematics*, 1398:100–105, 1989. CODEN LNMAA2. ISBN 3-540-51695-6 (print), 3-540-46756-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086245/>.

Knebusch:1989:BTW

- [Kne89a] Manfred Knebusch. Basic theory of weakly semialgebraic spaces. *Lecture Notes in Mathematics*, 1367:1–105, 1989. CODEN LNMAA2. ISBN 3-540-50815-5 (print), 3-540-46089-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084988/>.

Knebusch:1989:HC

- [Kne89b] Manfred Knebusch. Homology and cohomology. *Lecture Notes in Mathematics*, 1367:182–259, 1989. CODEN LNMAA2. ISBN 3-540-50815-5 (print), 3-540-46089-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084990/>.

Knebusch:1989:PCH

- [Kne89c] Manfred Knebusch. Patch complexes, and homotopies again. *Lecture Notes in Mathematics*, 1367:106–181, 1989. CODEN LNMAA2. ISBN 3-540-50815-5 (print), 3-540-46089-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084989/>.

Knebusch:1989:SS

- [Kne89d] Manfred Knebusch. Simplicial spaces. *Lecture Notes in Mathematics*, 1367:260–351, 1989. CODEN LNMAA2. ISBN 3-540-50815-5 (print), 3-540-46089-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084991/>.

Knight:1986:PRS

- [Kni86] F. B. Knight. Poisson representation of strict regular step filtrations. *Lecture Notes in Mathematics*, 1204:1–27, 1986. CODEN LNMAA2. ISBN 3-540-16779-X (print), 3-540-39860-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075706/>.

Knight:1987:DMP

- [Kni87] Julia F. Knight. Degrees of models with prescribed Scott set. *Lecture Notes in Mathematics*, 1292:182–191, 1987. CODEN LNMAA2. ISBN 3-540-18674-3 (print), 3-540-48049-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082238/>.

Knopp:1985:MID

- [Kno85] Marvin I. Knopp. Modular integrals on $\Gamma_o(N)$ and Dirichlet series with functional equations. *Lecture Notes in Mathematics*, 1135:211–224, 1985. CODEN LNMAA2. ISBN 3-540-15649-6 (print), 3-540-39535-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074606/>.

Knorrer:1987:TMD

- [Knö87] Horst Knörrer. Torsionsfreie Moduln bei Deformation von Kurvensingularitäten. (German) []. *Lecture Notes in Mathematics*, 1273:150–155, 1987. CODEN LNMAA2. ISBN 3-540-18263-2 (print), 3-540-47851-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078841/>.

Knopp:1989:RDT

- [Kno89] M. I. Knopp. Recent developments in the theory of rational period functions. *Lecture Notes in Mathematics*, 1383:111–122, 1989. CODEN LNMAA2. ISBN 3-540-51549-6 (print), 3-540-46640-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083573/>.

Kobayashi:1987:WTP

- [Kob87] Osamu Kobayashi. A Willmore type problem for $S^2 \times S^2$. *Lecture Notes in Mathematics*, 1255:67–72, 1987. CODEN LNMAA2. ISBN 3-540-17849-X (print), 3-540-47883-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077681/>.

Kobayashi:1989:CBF

- [Kob89] Satoshi Kobayashi. Consistency of Beeson's formal system RPS and some related results. *Lecture Notes in Mathematics*, 1388:120–140, 1989. CODEN LNMAA2. ISBN 3-540-51527-5 (print),

3-540-48220-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083667/>.

Kock:1986:ISD

- [Koc86] Anders Kock. Introduction to synthetic differential geometry, and a synthetic theory of dislocations. *Lecture Notes in Mathematics*, 1174:52–68, 1986. CODEN LNMAA2. ISBN 3-540-16096-5 (print), 3-540-39760-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076934/>.

Kock:1988:GFB

- [Koc88] Anders Kock. Generalized fibre bundles. *Lecture Notes in Mathematics*, 1348:194–207, 1988. CODEN LNMAA2. ISBN 3-540-50362-5 (print), 3-540-45985-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081359/>.

Kodnar:1986:PEA

- [Kod86] R. Kodnár. A posteriori estimations of approximate solutions for some types of boundary value problems. *Lecture Notes in Mathematics*, 1192:373–378, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076096/>.

Koepf:1988:CFN

- [Koe88] Wolfram Koepf. Convex functions and the Nehari univalence criterion. *Lecture Notes in Mathematics*, 1351:214–218, 1988. CODEN LNMAA2. ISBN 3-540-50370-6 (print), 3-540-45992-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081255/>.

Kogan:1986:A

- [Kog86a] Jacob Kogan. Appendix. *Lecture Notes in Mathematics*, 1216:97–103, 1986. CODEN LNMAA2. ISBN 3-540-16818-4 (print), 3-540-47065-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077068/>.

Kogan:1986:BEO

- [Kog86b] Jacob Kogan. *Bifurcation of Extremals in Optimal Control*, volume 1216 of *Lecture Notes in Mathematics*. Springer-Verlag,

Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16818-4 (print), 3-540-47065-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). viii + 106 pp. LCCN QA3 .L28 no. 1216. URL <http://link.springer.com/book/10.1007/BFb0077060>; <http://www.springerlink.com/content/978-3-540-47065-6>.

Kogan:1986:BPLb

- [Kog86c] Jacob Kogan. Branching pairs in linear control problems. *Lecture Notes in Mathematics*, 1216:49–54, 1986. CODEN LNMAA2. ISBN 3-540-16818-4 (print), 3-540-47065-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077063/>.

Kogan:1986:BPLa

- [Kog86d] Jacob Kogan. Branching points in linear control problems. *Lecture Notes in Mathematics*, 1216:40–48, 1986. CODEN LNMAA2. ISBN 3-540-16818-4 (print), 3-540-47065-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077062/>.

Kogan:1986:LSV

- [Kog86e] Jacob Kogan. Linear systems with vector valued performance index. *Lecture Notes in Mathematics*, 1216:68–77, 1986. CODEN LNMAA2. ISBN 3-540-16818-4 (print), 3-540-47065-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077065/>.

Kogan:1986:NC

- [Kog86f] Jacob Kogan. The nonlinear case. *Lecture Notes in Mathematics*, 1216:55–67, 1986. CODEN LNMAA2. ISBN 3-540-16818-4 (print), 3-540-47065-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077064/>.

Kogan:1986:NCS

- [Kog86g] Jacob Kogan. Nonlinear control systems with vector cost. *Lecture Notes in Mathematics*, 1216:78–84, 1986. CODEN LNMAA2. ISBN 3-540-16818-4 (print), 3-540-47065-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077066/>.

Kogan:1986:OCP

- [Kog86h] Jacob Kogan. Optimal control problems with constraints. *Lecture Notes in Mathematics*, 1216:85–96, 1986. CODEN LNMAA2. ISBN 3-540-16818-4 (print), 3-540-47065-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077067/>.

Kogan:1986:O

- [Kog86i] Jacob Kogan. Overview. *Lecture Notes in Mathematics*, 1216:1–39, 1986. CODEN LNMAA2. ISBN 3-540-16818-4 (print), 3-540-47065-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077061/>.

Koicheva:1987:MMD

- [Koi87] M. Koicheva. The method of metric distances in the problem of estimation of the deviation from the exponential distribution. *Lecture Notes in Mathematics*, 1233:32–35, 1987. CODEN LNMAA2. ISBN 3-540-17204-1 (print), 3-540-47394-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072708/>.

Kolchin:1986:DAG

- [Kol86] E. R. Kolchin. Differential algebraic groups. *Lecture Notes in Mathematics*, 1185:155–174, 1986. CODEN LNMAA2. ISBN 3-540-16456-1 (print), 3-540-39793-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076174/>.

Komiya:1989:CFP

- [Kom89a] Katsuhiro Komiya. Congruences for fixed point indices of equivariant maps and iterated maps. *Lecture Notes in Mathematics*, 1411:130–136, 1989. CODEN LNMAA2. ISBN 3-540-51932-7 (print), 3-540-46862-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086447/>.

Komiya:1989:CBR

- [Kom89b] Katsuhiro Komiya. Congruences for the Burnside ring. *Lecture Notes in Mathematics*, 1375:191–197, 1989. CODEN LNMAA2. ISBN 3-540-51218-7 (print), 3-540-46178-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085609/>.

Kon:1985:ICS

- [Kon85a] Mark A. Kon. Integrability criteria and some applications. *Lecture Notes in Mathematics*, 1148:83–103, 1985. CODEN LNMAA2. ISBN 3-540-15690-9 (print), 3-540-39637-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077162/>.

Kon:1985:IIR

- [Kon85b] Mark A. Kon. Integrals of independent random variables. *Lecture Notes in Mathematics*, 1148:16–27, 1985. CODEN LNMAA2. ISBN 3-540-15690-9 (print), 3-540-39637-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077157/>.

Kon:1985:I

- [Kon85c] Mark A. Kon. Introduction. *Lecture Notes in Mathematics*, 1148:1–9, 1985. CODEN LNMAA2. ISBN 3-540-15690-9 (print), 3-540-39637-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077155/>.

Kon:1985:JDA

- [Kon85d] Mark A. Kon. Joint distributions and applications. *Lecture Notes in Mathematics*, 1148:104–112, 1985. CODEN LNMAA2. ISBN 3-540-15690-9 (print), 3-540-39637-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077163/>.

Kon:1985:LI

- [Kon85e] Mark A. Kon. The Lebesgue integral. *Lecture Notes in Mathematics*, 1148:66–82, 1985. CODEN LNMAA2. ISBN 3-540-15690-9 (print), 3-540-39637-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077161/>.

Kon:1985:PA

- [Kon85f] Mark A. Kon. Physical applications. *Lecture Notes in Mathematics*, 1148:51–65, 1985. CODEN LNMAA2. ISBN 3-540-15690-9 (print), 3-540-39637-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077160/>.

Kon:1985:PDQ

- [Kon85g] Mark A. Kon. *Probability Distributions in Quantum Statistical Mechanics*, volume 1148 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15690-9 (print), 3-540-39637-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). v + 120 pp. LCCN QA3 .L28 no. 1148. URL <http://link.springer.com/book/10.1007/BFb0077154>; <http://www.springerlink.com/content/978-3-540-39637-6>.

Kon:1985:SCLa

- [Kon85h] Mark A. Kon. Singular central limit theorems, I. *Lecture Notes in Mathematics*, 1148:28–38, 1985. CODEN LNMAA2. ISBN 3-540-15690-9 (print), 3-540-39637-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077158/>.

Kon:1985:SCLb

- [Kon85i] Mark A. Kon. Singular central limit theorems, II. *Lecture Notes in Mathematics*, 1148:39–50, 1985. CODEN LNMAA2. ISBN 3-540-15690-9 (print), 3-540-39637-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077159/>.

Kon:1985:VFC

- [Kon85j] Mark A. Kon. Value functions on a canonical ensemble. *Lecture Notes in Mathematics*, 1148:10–15, 1985. CODEN LNMAA2. ISBN 3-540-15690-9 (print), 3-540-39637-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077156/>.

Kono:1985:DPD

- [Kôn85k] Norio Kôno. Démonstration probabiliste du théorème de d’Alembert. (French) []. *Lecture Notes in Mathematics*, 1123:207–208, 1985. CODEN LNMAA2. ISBN 3-540-15230-X (print), 3-540-39397-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075848>.

Koornwinder:1985:SOP

- [Koo85] T. H. Koornwinder. Special orthogonal polynomial systems mapped onto each other by the Fourier–Jacobi transform. *Lec-*

ture Notes in Mathematics, 1171:174–183, 1985. CODEN LNMAA2. ISBN 3-540-16059-0 (print), 3-540-39743-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076542/>.

Koornwinder:1988:GTI

- [Koo88] Tom H. Koornwinder. Group theoretic interpretations of Askey's scheme of hypergeometric orthogonal polynomials. *Lecture Notes in Mathematics*, 1329:46–72, 1988. CODEN LNMAA2. ISBN 3-540-19489-4 (print), 3-540-39295-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083353/>.

Kopetzky:1989:SRD

- [Kop89] Hans G. Kopetzky. Some results on Diophantine approximation related to Dirichlet's Theorem. *Lecture Notes in Mathematics*, 1380:137–149, 1989. CODEN LNMAA2. ISBN 3-540-51397-3 (print), 3-540-46205-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086550/>.

Korevaar:1987:SCA

- [Kor87a] J. Korevaar. Some \mathbf{C}^N capacities and applications. *Lecture Notes in Mathematics*, 1276:208–228, 1987. CODEN LNMAA2. ISBN 3-540-18357-4 (print), 3-540-47904-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078960/>.

Korezlioglu:1987:PTP

- [Kör87b] H. Körezlioglu. Passage from two-parameters to infinite dimension. *Lecture Notes in Mathematics*, 1236:131–153, 1987. CODEN LNMAA2. ISBN 3-540-17211-4 (print), 3-540-47408-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072886/>.

Korolev:1987:ANA

- [Kor87c] V. Yu. Korolev. The accuracy of the normal approximation to the distribution of the sum of a random number of independent random variables. *Lecture Notes in Mathematics*, 1233:36–40, 1987. CODEN LNMAA2. ISBN 3-540-17204-1 (print), 3-540-47394-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072709/>.

Korchagin:1988:ICP

- [Kor88] A. B. Korchagin. Isotopy classification of plane seventh degree curves with the only singular point Z_{15} . *Lecture Notes in Mathematics*, 1346:407–426, 1988. CODEN LNMAA2. ISBN 3-540-50237-8 (print), 3-540-45958-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082785/>.

Korolev:1989:ADR

- [Kor89] V. Yu. Korolev. The asymptotic distributions of random sums. *Lecture Notes in Mathematics*, 1412:110–123, 1989. CODEN LNMAA2. ISBN 3-540-51948-3 (print), 3-540-46863-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084169/>.

Koschorke:1985:HOH

- [Kos85] Ulrich Koschorke. Higher order homotopy invariants for higher dimensional link maps. *Lecture Notes in Mathematics*, 1172:116–129, 1985. CODEN LNMAA2. ISBN 3-540-16061-2 (print), 3-540-39745-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074427/>.

Kosarew:1986:MHA

- [Kos86a] Siegmund Kosarew. Modulräume holomorpher Abbildungen auf komplexen Mannigfaltigkeiten mit 1-konkavem Rand. (German) []. *Lecture Notes in Mathematics*, 1194:56–79, 1986. CODEN LNMAA2. ISBN 3-540-16490-1 (print), 3-540-39829-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076995/>.

Koshitani:1986:GAF

- [Kos86b] Shigeo Koshitani. On group algebras of finite groups. *Lecture Notes in Mathematics*, 1178:109–128, 1986. CODEN LNMAA2. ISBN 3-540-16433-2 (print), 3-540-39777-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075292/>.

Koschorke:1988:MPI

- [Kos88a] Ulrich Koschorke. Multiple point invariants of link maps. *Lecture Notes in Mathematics*, 1350:44–86, 1988. CODEN LNMAA2. ISBN 3-540-50369-2 (print), 3-540-45990-1 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081468/>.

Koschorke:1988:SMI

- [Kos88b] Ulrich Koschorke. The singularity method and immersions of m -manifolds into manifolds of dimensions $2m - 2$, $2m - 3$ and $2m - 4$. *Lecture Notes in Mathematics*, 1350:188–212, 1988. CODEN LNMAA2. ISBN 3-540-50369-2 (print), 3-540-45990-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081476/>.

Koslowski:1988:COP

- [Kos88c] Jürgen Koslowski. Closure operators with prescribed properties. *Lecture Notes in Mathematics*, 1348:208–220, 1988. CODEN LNMAA2. ISBN 3-540-50362-5 (print), 3-540-45985-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081360/>.

Kotelenez:1989:SRD

- [Kot89] Peter Kotelenez. A stochastic reaction-diffusion model. *Lecture Notes in Mathematics*, 1390:132–137, 1989. CODEN LNMAA2. ISBN 3-540-51510-0 (print), 3-540-48200-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083941/>.

Kovaceva:1987:BCR

- [Kov87] R. K. Kovačeva. Best Chebyshev rational approximants and poles of functions. *Lecture Notes in Mathematics*, 1237:68–72, 1987. CODEN LNMAA2. ISBN 3-540-17212-2 (print), 3-540-47412-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072456/>.

Kowalski:1985:ACO

- [Kow85] Marek A. Kowalski. Algebraic characterization of orthogonality in the space of polynomials. *Lecture Notes in Mathematics*, 1171:101–110, 1985. CODEN LNMAA2. ISBN 3-540-16059-0 (print), 3-540-39743-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076535/>.

Kozłowski:1985:ECS

- [Koz85] Michael Kozłowski. Examples concerning the spectrum of a closed Riemannian manifold. *Lecture Notes in Mathematics*, 1156:219–

226, 1985. CODEN LNMAA2. ISBN 3-540-15994-0 (print), 3-540-39698-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075094/>.

Kozniewski:1986:EAC

- [Koz86] Tadeusz Kozniewski. On the existence of acyclic Γ complexes of the lowest possible dimension. *Lecture Notes in Mathematics*, 1217:196–209, 1986. CODEN LNMAA2. ISBN 3-540-16824-9 (print), 3-540-47097-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072824/>.

Kuhnel:1985:TSS

- [KP85] W. Kühnel and U. Pinkall. Tight smoothing of some polyhedral surfaces. *Lecture Notes in Mathematics*, 1156:227–239, 1985. CODEN LNMAA2. ISBN 3-540-15994-0 (print), 3-540-39698-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075095/>.

Kaijser:1986:CN

- [KP86a] Sten Kaijser and Joan Wick Pelletier. Categorical notions. *Lecture Notes in Mathematics*, 1208:44–72, 1986. CODEN LNMAA2. ISBN 3-540-16790-0 (print), 3-540-47044-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077086/>.

Kaijser:1986:CMC

- [KP86b] Sten Kaijser and Joan Wick Pelletier. The classical methods from a categorical viewpoint. *Lecture Notes in Mathematics*, 1208:132–159, 1986. CODEN LNMAA2. ISBN 3-540-16790-0 (print), 3-540-47044-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077091/>.

Kaijser:1986:CM

- [KP86c] Sten Kaijser and Joan Wick Pelletier. The complex method. *Lecture Notes in Mathematics*, 1208:33–43, 1986. CODEN LNMAA2. ISBN 3-540-16790-0 (print), 3-540-47044-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077085/>.

Kaijser:1986:D

- [KP86d] Sten Kaijser and Joan Wick Pelletier. Duality. *Lecture Notes in Mathematics*, 1208:106–122, 1986. CODEN LNMAA2. ISBN 3-540-16790-0 (print), 3-540-47044-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077089/>.

Kaijser:1986:FDD

- [KP86e] Sten Kaijser and Joan Wick Pelletier. Finite dimensional Doolittle diagrams. *Lecture Notes in Mathematics*, 1208:73–92, 1986. CODEN LNMAA2. ISBN 3-540-16790-0 (print), 3-540-47044-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077087/>.

Kaijser:1986:IFD

- [KP86f] Sten Kaijser and Joan Wick Pelletier. *Interpolation Functors and Duality*, volume 1208 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16790-0 (print), 3-540-47044-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). iv + 167 pp. LCCN QA3 .L28 no. 1208. URL [http://link.springer.com/book/10.1007/BFb0077081](http://link.springer.com/book/10.1007/BFb0077081;); <http://www.springerlink.com/content/978-3-540-47044-1>.

Kaijser:1986:I

- [KP86g] Sten Kaijser and Joan Wick Pelletier. Introduction. *Lecture Notes in Mathematics*, 1208:1–6, 1986. CODEN LNMAA2. ISBN 3-540-16790-0 (print), 3-540-47044-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077082/>.

Kaijser:1986:KE

- [KP86h] Sten Kaijser and Joan Wick Pelletier. Kan extensions. *Lecture Notes in Mathematics*, 1208:93–105, 1986. CODEN LNMAA2. ISBN 3-540-16790-0 (print), 3-540-47044-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077088/>.

Kaijser:1986:MAD

- [KP86i] Sten Kaijser and Joan Wick Pelletier. More about duality. *Lecture Notes in Mathematics*, 1208:123–131, 1986. CODEN LNMAA2. ISBN 3-540-16790-0 (print), 3-540-47044-1 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077090/>.

Kaijser:1986:P

- [KP86j] Sten Kaijser and Joan Wick Pelletier. Preliminaries. *Lecture Notes in Mathematics*, 1208:7–17, 1986. CODEN LNMAA2. ISBN 3-540-16790-0 (print), 3-540-47044-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077083/>.

Kaijser:1986:RM

- [KP86k] Sten Kaijser and Joan Wick Pelletier. The real method. *Lecture Notes in Mathematics*, 1208:18–32, 1986. CODEN LNMAA2. ISBN 3-540-16790-0 (print), 3-540-47044-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077084/>.

Kulkarni:1986:UGS

- [KP86l] Ravi S. Kulkarni and Ulrich Pinkall. Uniformization of geometric structures with applications to conformal geometry. *Lecture Notes in Mathematics*, 1209:190–209, 1986. CODEN LNMAA2. ISBN 3-540-16801-X (print), 3-540-44844-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076632/>.

Kac:1987:GIT

- [KP87a] Victor G. Kac and Dale H. Peterson. On geometric invariant theory for infinite-dimensional groups. *Lecture Notes in Mathematics*, 1271:109–142, 1987. CODEN LNMAA2. ISBN 3-540-18234-9 (print), 3-540-47834-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079235/>.

Kirschenhofer:1987:AUO

- [KP87b] P. Kirschenhofer and H. Prodinger. Asymptotische Untersuchungen über Charakteristische Parameter von Suchbäumen (German) []. *Lecture Notes in Mathematics*, 1262:93–107, 1987. CODEN LNMAA2. ISBN 3-540-18015-X (print), 3-540-47256-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078598/>.

Kallianpur:1989:WCS

- [KPA89] G. Kallianpur and V. Pérez-Abreu. Weak convergence of solutions of stochastic evolution equations on nuclear spaces. *Lecture Notes in Mathematics*, 1390:119–131, 1989. CODEN LNMAA2. ISBN 3-540-51510-0 (print), 3-540-48200-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083940/>.

Kirschenhofer:1987:AGN

- [KPS87] Peter Kirschenhofer, Helmut Prodinger, and Johannes Schoißengeier. Zur Auswertung Gewisser Numerischer Reihen mit Hilfe Modularer Funktionen. (German) []. *Lecture Notes in Mathematics*, 1262:108–110, 1987. CODEN LNMAA2. ISBN 3-540-18015-X (print), 3-540-47256-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078599/>.

Kirschenhofer:1985:OZN

- [KPT85] P. Kirschenhofer, H. Prodinger, and R. F. Tichy. Ober Die Ziffernsumme Natürlicher Zahlen Und Verwandte Probleme. (German) [On the digit sum of natural numbers and related problems]. *Lecture Notes in Mathematics*, 1114:55–65, 1985. CODEN LNMAA2. ISBN 3-540-15189-3 (print), 3-540-39281-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101645/>.

Kirschenhofer:1987:EFA

- [KPT87] Peter Kirschenhofer, Helmut Prodinger, and Robert F. Tichy. Über Einige Funktionaldifferentialgleichungen Aus der Analyse Von Algorithmen. (German) []. *Lecture Notes in Mathematics*, 1262:111–123, 1987. CODEN LNMAA2. ISBN 3-540-18015-X (print), 3-540-47256-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078600/>.

Kalashnikov:1987:SPS

- [KPZ87] Vladimir V. Kalashnikov, Boyan Penkov, and Vladimir M. Zolotarev, editors. *Stability Problems for Stochastic Models: Proceedings of the 9th International Seminar held in Varna, Bulgaria, May 13–19, 1985*, volume 1233 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-17204-1 (print), 3-540-47394-7 (e-book). ISSN 0075-8434 (print),

1617-9692 (electronic). LCCN QA3 .L28 no. 1233. URL <http://link.springer.com/book/10.1007/BFb0072704>; <http://www.springerlink.com/content/978-3-540-47394-7>.

Khoai:1988:ANT

- [KQ88] Hà Huy Khoái and My Vinh Quang. On p -adic Nevanlinna theory. *Lecture Notes in Mathematics*, 1351:146–158, 1988. CODEN LNMAA2. ISBN 3-540-50370-6 (print), 3-540-45992-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081250/>.

Klebanov:1985:SLM

- [KR85] L. B. Klebanov and S. T. Rachev. Stability of the lack-of-memory property in a finite number of points. *Lecture Notes in Mathematics*, 1155:131–143, 1985. CODEN LNMAA2. ISBN 3-540-15985-1 (print), 3-540-39686-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074817/>.

Krantz:1987:RPF

- [Kra87a] Steven G. Krantz. Recent progress and future directions in several complex variables. *Lecture Notes in Mathematics*, 1268:1–23, 1987. CODEN LNMAA2. ISBN 3-540-18094-X (print), 3-540-47752-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097292/>.

Krause:1987:CIA

- [Kra87b] Günter Krause. Chaînes d'idéaux annulateurs d'un anneau noethérien. (French) []. *Lecture Notes in Mathematics*, 1296:261–275, 1987. CODEN LNMAA2. ISBN 3-540-18690-5 (print), 3-540-48081-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078532/>.

Kral:1988:BRP

- [Krá88a] Josef Král. Boundary regularity and potential-theoretic operators. *Lecture Notes in Mathematics*, 1344:220–222, 1988. CODEN LNMAA2. ISBN 3-540-50210-6 (print), 3-540-45952-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0103360/>.

Krall:1988:ROP

- [Kra88b] Allan M. Krall. A review of orthogonal polynomials satisfying boundary value problems. *Lecture Notes in Mathematics*, 1329: 73–97, 1988. CODEN LNMAA2. ISBN 3-540-19489-4 (print), 3-540-39295-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083354/>.

Krasilshchik:1988:SBC

- [Kra88c] I. S. Krasil'shchik. Schouten bracket and canonical algebras. *Lecture Notes in Mathematics*, 1334:79–110, 1988. CODEN LNMAA2. ISBN 3-540-50019-7 (print), 3-540-45894-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080424/>.

Kral:1989:PNF

- [Krá89] Josef Král. Problème de Neumann faible avec condition frontière dans L^1 . (French) []. *Lecture Notes in Mathematics*, 1393:145–160, 1989. CODEN LNMAA2. ISBN 3-540-51592-5 (print), 3-540-46675-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085777/>.

Krbec:1986:NS

- [Krb86] P. Krbec. On nonparasite solutions. *Lecture Notes in Mathematics*, 1192:133–139, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076060/>.

Krenk:1985:SDE

- [Kre85] Steen Krenk. Scalar decomposition of elastic waves scattered by planar cracks. *Lecture Notes in Mathematics*, 1121:166–180, 1985. CODEN LNMAA2. ISBN 3-540-15219-9 (print), 3-540-39377-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076270/>.

Kreith:1986:UZB

- [Kre86a] K. Kreith. Uniform zeros for beaded strings. *Lecture Notes in Mathematics*, 1192:141–148, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076061/>.

Krejci:1986:PSP

- [Kre86b] P. Krejčí. Periodic solutions of partial differential equations with hysteresis. *Lecture Notes in Mathematics*, 1192:221–226, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076073/>.

Kreweras:1986:JDT

- [Kre86c] Germain Kreweras. Joint distributions of three descriptive parameters of bridges. *Lecture Notes in Mathematics*, 1234:177–191, 1986. CODEN LNMAA2. ISBN 3-540-17207-6 (print), 3-540-47402-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072516/>.

Kree:1988:TDD

- [Kré88] Paul Krée. La théorie des distributions en dimension quelconque et l'intégration stochastique. (French) []. *Lecture Notes in Mathematics*, 1316:170–233, 1988. CODEN LNMAA2. ISBN 3-540-19315-4 (print), 3-540-39186-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081932/>.

Krieg:1985:EPS

- [Kri85a] Aloys Krieg. Eisenstein- and Poincaré-series. *Lecture Notes in Mathematics*, 1143:136–181, 1985. CODEN LNMAA2. ISBN 3-540-15679-8 (print), 3-540-39610-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075951/>.

Krieg:1985:IHM

- [Kri85b] Aloys Krieg. Integral and Hermitian matrices. *Lecture Notes in Mathematics*, 1143:1–41, 1985. CODEN LNMAA2. ISBN 3-540-15679-8 (print), 3-540-39610-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075947/>.

Krieg:1985:MFa

- [Kri85c] Aloys Krieg. Modular forms. *Lecture Notes in Mathematics*, 1143:71–98, 1985. CODEN LNMAA2. ISBN 3-540-15679-8 (print), 3-540-39610-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075949/>.

Krieg:1985:MFH

- [Kri85d] Aloys Krieg. *Modular Forms on Half-Spaces of Quaternions*, volume 1143 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15679-8 (print), 3-540-39610-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). xiii + 203 pp. LCCN QA3 .L28 no. 1143. URL <http://link.springer.com/book/10.1007/BFb0075946>; <http://www.springerlink.com/content/978-3-540-39610-9>.

Krieg:1985:MFb

- [Kri85e] Aloys Krieg. Modular functions. *Lecture Notes in Mathematics*, 1143:182–195, 1985. CODEN LNMAA2. ISBN 3-540-15679-8 (print), 3-540-39610-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075952/>.

Krieg:1985:MGF

- [Kri85f] Aloys Krieg. Modular group and fundamental domain. *Lecture Notes in Mathematics*, 1143:42–70, 1985. CODEN LNMAA2. ISBN 3-540-15679-8 (print), 3-540-39610-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075948/>.

Krieg:1985:TS

- [Kri85g] Aloys Krieg. Theta-series. *Lecture Notes in Mathematics*, 1143:99–135, 1985. CODEN LNMAA2. ISBN 3-540-15679-8 (print), 3-540-39610-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075950/>.

Krizek:1986:SRL

- [Kří86] M. Křížek. Superconvergence results for linear triangular elements. *Lecture Notes in Mathematics*, 1192:315–320, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076087/>.

Kamber:1986:ATS

- [KRT86] F. W. Kamber, E. A. Ruh, and Ph. Tondeur. Almost transversally symmetric foliations. *Lecture Notes in Mathematics*, 1209:184–189, 1986. CODEN LNMAA2. ISBN 3-540-16801-X (print),

3-540-44844-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076631/>.

Kruglov:1985:CLT

- [Kru85] V. M. Kruglov. The central limit theorem and weak convergence of maxima of sums of independent random variables. *Lecture Notes in Mathematics*, 1155:144–179, 1985. CODEN LNMAA2. ISBN 3-540-15985-1 (print), 3-540-39686-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074818/>.

Kruglov:1989:NDC

- [Kru89] V. M. Kruglov. Normal and degenerate convergences of random sums. *Lecture Notes in Mathematics*, 1412:124–136, 1989. CODEN LNMAA2. ISBN 3-540-51948-3 (print), 3-540-46863-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084170/>.

Kalton:1985:BSP

- [KS85a] Nigel J. Kalton and Elias Saab, editors. *Banach Spaces: Proceedings of the Missouri Conference held in Columbia, USA, June 24–29, 1984*, volume 1166 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-16051-5 (print), 3-540-39736-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1166. URL <http://link.springer.com/book/10.1007/BFb0074684>; <http://www.springerlink.com/content/978-3-540-39736-6>.

Kosmann-Schwarzbach:1985:MMF

- [KS85b] Yvette Kosmann-Schwarzbach. On the momentum mapping in field theory. *Lecture Notes in Mathematics*, 1139:25–73, 1985. CODEN LNMAA2. ISBN 3-540-15666-6 (print), 3-540-39585-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074576/>.

Kuznezova-Sholpo:1985:CMF

- [KS85c] I. A. Kuznezova-Sholpo. Compound metrics with fixed minimal ones. *Lecture Notes in Mathematics*, 1155:180–189, 1985. CODEN LNMAA2. ISBN 3-540-15985-1 (print), 3-540-39686-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074819/>.

Kasue:1986:GTC

- [KS86a] Atsushi Kasue and Kunio Sugahara. Gap theorems for certain submanifolds of Euclidean space and hyperbolic space form II. *Lecture Notes in Mathematics*, 1201:138–149, 1986. CODEN LNMAA2. ISBN 3-540-16770-6 (print), 3-540-38827-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075651/>.

Katok:1986:AC

- [KS86b] A. Katok and J.-M. Strelcyn. Absolute continuity. *Lecture Notes in Mathematics*, 1222:41–156, 1986. CODEN LNMAA2. ISBN 3-540-17190-8 (print), 3-540-47349-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099033/>.

Katok:1986:EEA

- [KS86c] A. Katok and J.-M. Strelcyn. The estimation of entropy from above through Lyapunov characteristic numbers. *Lecture Notes in Mathematics*, 1222:180–198, 1986. CODEN LNMAA2. ISBN 3-540-17190-8 (print), 3-540-47349-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099035/>.

Katok:1986:EIM

- [KS86d] A. Katok and J.-M. Strelcyn. Existence of invariant manifolds for smooth maps with singularities. *Lecture Notes in Mathematics*, 1222:1–40, 1986. CODEN LNMAA2. ISBN 3-540-17190-8 (print), 3-540-47349-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099032/>.

Klingenberg:1986:RIR

- [KS86e] W. Klingenberg and T. Sakai. Remarks on the injectivity radius estimate for almost $1/4$ -pinched manifolds. *Lecture Notes in Mathematics*, 1201:156–164, 1986. CODEN LNMAA2. ISBN 3-540-16770-6 (print), 3-540-38827-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075653/>.

Koiso:1986:NHK

- [KS86f] Norihito Koiso and Yusuke Sakane. Non-homogeneous Kähler–Einstein metrics on compact complex manifolds. *Lecture Notes*

in Mathematics, 1201:165–179, 1986. CODEN LNMAA2. ISBN 3-540-16770-6 (print), 3-540-38827-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075654/>.

Kuchminskaya:1987:RAI

- [KS87] Khristina I. Kuchminskaya and Wojciech Siemaszko. Rational approximation and interpolation of functions by branched continued fractions. *Lecture Notes in Mathematics*, 1237:24–40, 1987. CODEN LNMAA2. ISBN 3-540-17212-2 (print), 3-540-47412-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072451/>.

Katsura:1988:DLD

- [KS88a] Masashi Katsura and H. J. Shyr. Decomposition of languages into disjunctive outfix codes. *Lecture Notes in Mathematics*, 1320:172–175, 1988. CODEN LNMAA2. ISBN 3-540-19347-2 (print), 3-540-39225-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083430/>.

Kleiman:1988:EGN

- [KS88b] Steven L. Kleiman and Robert Speiser. Enumerative geometry of nodal plane cubics. *Lecture Notes in Mathematics*, 1311:156–196, 1988. CODEN LNMAA2. ISBN 3-540-19236-0 (print), 3-540-39157-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082914/>.

Krasilnikov:1988:LFD

- [KŠ88c] A. N. Krasil'nikov and A. L. Šmel'kin. On the laws of finite dimensional representations of solvable Lie algebras and groups. *Lecture Notes in Mathematics*, 1352:114–129, 1988. CODEN LNMAA2. ISBN 3-540-50371-4 (print), 3-540-45994-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082021/>.

Kumar:1989:DTR

- [KS89] Ajay Kumar and Ajit Iqbal Singh. A dichotomy theorem for random walks on hypergroups. *Lecture Notes in Mathematics*, 1379:179–184, 1989. CODEN LNMAA2. ISBN 3-540-51401-5 (print), 3-540-46206-6 (e-book). ISSN 0075-8434 (print), 1617-

9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087853/>.

Katok:1986:IME

- [KSLP86] Anatole Katok, Jean-Marie Strelcyn, François Ledrappier, and Feliks Przytycki. *Invariant Manifolds, Entropy and Billiards; Smooth Maps with Singularities*, volume 1222 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-17190-8 (print), 3-540-47349-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). 278 (est.) pp. LCCN QA3.L28 no. 1222. URL <http://link.springer.com/book/10.1007/BFb0099031>; <http://www.springerlink.com/content/978-3-540-47349-7>.

Kleiman:1987:SVS

- [KSX87] S. Kleiman, S. A. Strømme, and S. Xambó. Sketch of a verification of Schubert's number 5819539783680 of twisted cubics. *Lecture Notes in Mathematics*, 1266:156–180, 1987. CODEN LNMAA2. ISBN 3-540-18020-6 (print), 3-540-47708-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078183/>.

Kamber:1985:BPF

- [KT85a] F. W. Kamber and Ph. Tondeur. The Bernstein problem for foliations. *Lecture Notes in Mathematics*, 1156:216–218, 1985. CODEN LNMAA2. ISBN 3-540-15994-0 (print), 3-540-39698-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075093/>.

Kirschenhofer:1985:GDR

- [KT85b] P. Kirschenhofer and R. F. Tichy. Gleichverteilung In Diskreten Räumen. (German) []. *Lecture Notes in Mathematics*, 1114:66–76, 1985. CODEN LNMAA2. ISBN 3-540-15189-3 (print), 3-540-39281-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101646/>.

Kruglov:1987:MPD

- [KT87] V. M. Kruglov and A. N. Titov. Mixtures of probability distributions. *Lecture Notes in Mathematics*, 1233:41–56, 1987. CODEN LNMAA2. ISBN 3-540-17204-1 (print), 3-540-47394-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072710/>.

Korezlioglu:1988:IFP

- [KÜ88] H. Körezlioglu and A. S. Üstünel. An Itô formula for processes with values in an abstract Wiener space. *Lecture Notes in Mathematics*, 1316:234–246, 1988. CODEN LNMAA2. ISBN 3-540-19315-4 (print), 3-540-39186-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081933/>.

Kucera:1985:MCC

- [Kuč85] Antonín Kučera. Measure, Π_1^0 -classes and complete extensions of pa. *Lecture Notes in Mathematics*, 1141:245–259, 1985. CODEN LNMAA2. ISBN 3-540-15673-9 (print), 3-540-39596-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076224/>.

Kucera:1986:SBP

- [Kuč86a] M. Kučera. Stability and bifurcation problems for reaction-diffusion systems with unilateral conditions. *Lecture Notes in Mathematics*, 1192:227–234, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076074/>.

Kuchment:1986:SSS

- [Kuc86b] P. A. Kuchment. On the spectral synthesis in the spaces of solutions of invariant differential equations. *Lecture Notes in Mathematics*, 1214:85–100, 1986. CODEN LNMAA2. ISBN 3-540-16821-4 (print), 3-540-47084-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075960/>.

Kuchminskaya:1987:AFT

- [Kuc87] Kh. I. Kuchminskaya. On approximation of functions by two-dimensional continued fractions. *Lecture Notes in Mathematics*, 1237:207–216, 1987. CODEN LNMAA2. ISBN 3-540-17212-2 (print), 3-540-47412-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072465/>.

Kufner:1986:BVP

- [Kuf86] A. Kufner. Boundary value problems in weighted spaces. *Lecture Notes in Mathematics*, 1192:35–48, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076050/>.

Kuhn:1987:R

- [Kuh87] Nicholas J. Kuhn. The rigidity of $L(n)$. *Lecture Notes in Mathematics*, 1286:286–292, 1987. CODEN LNMAA2. ISBN 3-540-18481-3 (print), 3-540-47986-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078746/>.

Kuhn:1989:MTI

- [Kuh89] Nicholas J. Kuhn. Morava K -theories and infinite loop spaces. *Lecture Notes in Mathematics*, 1370:243–257, 1989. CODEN LNMAA2. ISBN 3-540-51118-0 (print), 3-540-46160-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085232/>.

Kumjian:1985:DAC

- [Kum85] Alex Kumjian. Diagonals in algebras of continuous trace. *Lecture Notes in Mathematics*, 1132:297–311, 1985. CODEN LNMAA2. ISBN 3-540-15643-7 (print), 3-540-39514-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074890/>.

Kummerer:1988:STN

- [Küm88] Burkhard Kümmerer. Survey on a theory of non-commutative stationary Markov processes. *Lecture Notes in Mathematics*, 1303:154–182, 1988. CODEN LNMAA2. ISBN 3-540-18919-X (print), 3-540-38846-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078061/>.

Kung:1987:CFB

- [Kun87] Joseph P. S. Kung. Canonical forms for binary forms of even degree. *Lecture Notes in Mathematics*, 1278:52–61, 1987. CODEN LNMAA2. ISBN 3-540-18360-4 (print), 3-540-47908-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078806/>.

Kuo:1986:LOG

- [Kuo86] Hui-Hsiung Kuo. On Laplacian operators of generalized Brownian functionals. *Lecture Notes in Mathematics*, 1203:119–128, 1986. CODEN LNMAA2. ISBN 3-540-16773-0 (print), 3-540-39852-X

(e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076877/>.

Kuo:1987:HEF

- [Kuo87] Hui-Hsiung Kuo. The heat equation and Fourier transforms of generalized Brownian functionals. *Lecture Notes in Mathematics*, 1236:154–163, 1987. CODEN LNMAA2. ISBN 3-540-17211-4 (print), 3-540-47408-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072887/>.

Kuo:1988:BMD

- [Kuo88] Hui-Hsiung Kuo. Brownian motion, diffusions and infinite dimensional calculus. *Lecture Notes in Mathematics*, 1316:130–169, 1988. CODEN LNMAA2. ISBN 3-540-19315-4 (print), 3-540-39186-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081931/>.

Kuo:1989:SPD

- [Kuo89] Hui-Hsiung Kuo. Stochastic partial differential equations of generalized Brownian functionals. *Lecture Notes in Mathematics*, 1390:138–146, 1989. CODEN LNMAA2. ISBN 3-540-51510-0 (print), 3-540-48200-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083942/>.

Kurepa:1987:QSF

- [Kur87] Svetozar Kurepa. Quadratic and sesquilinear forms. Contributions to characterizations of inner product spaces. *Lecture Notes in Mathematics*, 1242:43–76, 1987. CODEN LNMAA2. ISBN 3-540-17833-3 (print), 3-540-47876-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072442/>.

Kusuoka:1986:GMC

- [Kus86a] Shigeo Kusuoka. The generalized Malliavin calculus based on Brownian sheet and Bismut's expansion for large deviation. *Lecture Notes in Mathematics*, 1158:141–157, 1986. CODEN LNMAA2. ISBN 3-540-15998-3 (print), 3-540-39703-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080214/>.

Kusuoka:1986:PEF

- [Kus86b] Shigeo Kusuoka. Precise estimates for the fundamental solutions to some degenerate elliptic differential equations. *Lecture Notes in Mathematics*, 1203:129–133, 1986. CODEN LNMAA2. ISBN 3-540-16773-0 (print), 3-540-39852-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076878/>.

Kusuoka:1988:DTC

- [Kus88] Shigeo Kusuoka. Degree theorem in certain Wiener Riemannian manifolds. *Lecture Notes in Mathematics*, 1322:93–108, 1988. CODEN LNMAA2. ISBN 3-540-19352-9 (print), 3-540-39232-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077869/>.

Kuulasmaa:1986:RRS

- [Kuu86] Kari Kuulasmaa. On the reproduction rate of the spatial general epidemic. *Lecture Notes in Mathematics*, 1212:195–199, 1986. CODEN LNMAA2. ISBN 3-540-16803-6 (print), 3-540-47053-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076249/>.

Kuusalo:1988:GFM

- [Kuu88] Tapani Kuusalo. A Green formula with multiplicities. *Lecture Notes in Mathematics*, 1351:219–222, 1988. CODEN LNMAA2. ISBN 3-540-50370-6 (print), 3-540-45992-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081256/>.

Kalashnikov:1985:MEF

- [KV85] V. V. Kalashnikov and S. Yu. Vsekhsvyat-skii. Metric estimates of the first occurrence time in regenerative processes. *Lecture Notes in Mathematics*, 1155:102–130, 1985. CODEN LNMAA2. ISBN 3-540-15985-1 (print), 3-540-39686-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074816/>.

Kharlamov:1988:EGR

- [KV88] V. M. Kharlamov and O. Ya. Viro. Extensions of the Gudkov–Rohlin congruence. *Lecture Notes in Mathematics*, 1346:357–406, 1988. CODEN LNMAA2. ISBN 3-540-50237-8 (print), 3-540-45958-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (elec-

tronic). URL <http://link.springer.com/chapter/10.1007/BFb0082784/>.

Kalashnikov:1989:CRT

- [KV89] V. V. Kalashnikov and S. Yu. Vsekhsvyat-skiĭ. On the connection of Renyi's theorem and renewal theory. *Lecture Notes in Mathematics*, 1412:83–102, 1989. CODEN LNMAA2. ISBN 3-540-51948-3 (print), 3-540-46863-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084167/>.

Kagan:1985:RDS

- [KZ85a] A. M. Kagan and A. A. Zinger. A refinement of Darmais–Skitovitch and Heyde theorems. *Lecture Notes in Mathematics*, 1155:81–94, 1985. CODEN LNMAA2. ISBN 3-540-15985-1 (print), 3-540-39686-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074814/>.

Kalashnikov:1985:SPS

- [KZ85b] Vladimir V. Kalashnikov and Vladimir M. Zolotarev, editors. *Stability Problems for Stochastic Models: Proceedings of the 8th International Seminar held in Uzhgorod, USSR, Sept. 23–29, 1984*, volume 1155 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15985-1 (print), 3-540-39686-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1155. URL <http://link.springer.com/book/10.1007/BFb0074809>; <http://www.springerlink.com/content/978-3-540-39686-4>.

Kagan:1987:CAT

- [KZ87] A. M. Kagan and A. A. Zinger. Contribution to the analytic theory of linear forms of independent random variables. *Lecture Notes in Mathematics*, 1233:11–22, 1987. CODEN LNMAA2. ISBN 3-540-17204-1 (print), 3-540-47394-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072706/>.

Labbas:1986:TPP

- [Lab86a] Rabah Labbas. A two point problem for a second order abstract differential equation. *Lecture Notes in Mathematics*, 1223:156–159, 1986. CODEN LNMAA2. ISBN 3-540-17191-6 (print), 3-

540-47350-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099190/>.

Labelle:1986:SNC

- [Lab86b] Gilbert Labelle. Some new computational methods in the theory of species. *Lecture Notes in Mathematics*, 1234:192–209, 1986. CODEN LNMAA2. ISBN 3-540-17207-6 (print), 3-540-47402-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072517/>.

Lirola:1988:CGE

- [LAB88] A. Lirola, E. R. Aznar, and M. Bullejos. The cohomology groups of an epimorphism. *Lecture Notes in Mathematics*, 1348:230–241, 1988. CODEN LNMAA2. ISBN 3-540-50362-5 (print), 3-540-45985-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081362/>.

Lacroix:1986:CSP

- [Lac86] Jean Lacroix. Computations of the sum of positive Lyapunov exponents for the Lloyd model in a strip. *Lecture Notes in Mathematics*, 1186:258–264, 1986. CODEN LNMAA2. ISBN 3-540-16458-8 (print), 3-540-39795-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076846/>.

Laitinen:1986:UHT

- [Lai86] Erkki Laitinen. Unstable homotopy theory of homotopy representations. *Lecture Notes in Mathematics*, 1217:210–248, 1986. CODEN LNMAA2. ISBN 3-540-16824-9 (print), 3-540-47097-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072825/>.

Laine:1988:ANL

- [Lai88] Ilpo Laine. Axiomatic non-linear potential theories. *Lecture Notes in Mathematics*, 1344:118–132, 1988. CODEN LNMAA2. ISBN 3-540-50210-6 (print), 3-540-45952-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0103347/>.

Lallement:1988:SAS

- [Lal88] Gérard Lallement. Some algorithms for semigroups and monoids presented by a single relation. *Lecture Notes in Mathematics*,

1320:176–182, 1988. CODEN LNMAA2. ISBN 3-540-19347-2 (print), 3-540-39225-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083431/>.

Lambek:1988:UAL

- [Lam88] J. Lambek. On the unity of algebra and logic. *Lecture Notes in Mathematics*, 1348:221–229, 1988. CODEN LNMAA2. ISBN 3-540-50362-5 (print), 3-540-45985-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081361/>.

Lance:1985:SPR

- [Lan85a] E. Christopher Lance. Some problems and results on reflexive algebras. *Lecture Notes in Mathematics*, 1132:324–330, 1985. CODEN LNMAA2. ISBN 3-540-15643-7 (print), 3-540-39514-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074892/>.

Lang:1985:VC

- [Lan85b] Serge Lang. Vojta’s conjecture. *Lecture Notes in Mathematics*, 1111:407–419, 1985. CODEN LNMAA2. ISBN 3-540-15195-8 (print), 3-540-39298-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084600/>.

Lange:1986:CFA

- [Lan86] L. J. Lange. Continued fraction applications to zero location. *Lecture Notes in Mathematics*, 1199:220–262, 1986. CODEN LNMAA2. ISBN 3-540-16768-4 (print), 3-540-38817-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075940/>.

Landis:1988:APT

- [Lan88a] E. M. Landis. Application of the potential theory to the study of qualitative properties of solutions of the elliptic and parabolic equations. *Lecture Notes in Mathematics*, 1344:133–153, 1988. CODEN LNMAA2. ISBN 3-540-50210-6 (print), 3-540-45952-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0103348/>.

Landweber:1988:ECM

- [Lan88b] Peter S. Landweber. Elliptic cohomology and modular forms. *Lecture Notes in Mathematics*, 1326:55–68, 1988. CODEN LNMAA2. ISBN 3-540-19490-8 (print), 3-540-39300-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078038/>.

Landweber:1988:EGI

- [Lan88c] Peter S. Landweber. Elliptic genera: an introductory overview. *Lecture Notes in Mathematics*, 1326:1–10, 1988. CODEN LNMAA2. ISBN 3-540-19490-8 (print), 3-540-39300-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078036/>.

Landweber:1988:SEC

- [Lan88d] Peter S. Landweber. Supersingular elliptic curves and congruences for Legendre polynomials. *Lecture Notes in Mathematics*, 1326:69–93, 1988. CODEN LNMAA2. ISBN 3-540-19490-8 (print), 3-540-39300-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078039/>.

Lapeyre:1988:MPS

- [Lap88] Bernard Lapeyre. Majoration a priori des solutions d'équations différentielles stochastiques stables. (French) []. *Lecture Notes in Mathematics*, 1316:340–351, 1988. CODEN LNMAA2. ISBN 3-540-19315-4 (print), 3-540-39186-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081939/>.

Larson:1988:SNH

- [Lar88] David R. Larson. On similarity of nests in Hilbert space and in Banach spaces. *Lecture Notes in Mathematics*, 1332:179–194, 1988. CODEN LNMAA2. ISBN 3-540-50018-9 (print), 3-540-45892-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081620/>.

Lascoux:1986:RDP

- [Las86a] Alain Lascoux. La résultante de deux polynômes. (French) []. *Lecture Notes in Mathematics*, 1220:56–72, 1986. CODEN LNMAA2. ISBN 3-540-17185-1 (print), 3-540-47255-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099505/>.

Lasiecka:1986:SRR

- [Las86b] Irena Lasiecka. “sharp” regularity results for mixed hyperbolic problems of second order. *Lecture Notes in Mathematics*, 1223: 160–175, 1986. CODEN LNMAA2. ISBN 3-540-17191-6 (print), 3-540-47350-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099191/>.

Lascoux:1987:FCF

- [Las87] Alain Lascoux. Forme canonique d’une forme binaire. (French) []. *Lecture Notes in Mathematics*, 1278:44–51, 1987. CODEN LNMAA2. ISBN 3-540-18360-4 (print), 3-540-47908-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078805/>.

Lasser:1989:MSS

- [Las89] R. Lasser. A modification of stationarity for stochastic processes induced by orthogonal polynomials. *Lecture Notes in Mathematics*, 1379:185–191, 1989. CODEN LNMAA2. ISBN 3-540-51401-5 (print), 3-540-46206-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087854/>.

Laudal:1986:MMP

- [Lau86] O. A. Laudal. Matric Massey products and formal moduli I. *Lecture Notes in Mathematics*, 1183:218–240, 1986. CODEN LNMAA2. ISBN 3-540-16453-7 (print), 3-540-39790-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075462/>.

Laubin:1987:PSA

- [Lau87a] Pascal Laubin. Propagation of the second analytic wave front set along diffractive rays. *Lecture Notes in Mathematics*, 1256: 294–311, 1987. CODEN LNMAA2. ISBN 3-540-17856-2 (print), 3-540-47886-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077747/>.

Laue:1987:AGW

- [Lau87b] Hartmut Laue. On automorphism groups which normalize an Abelian normal subgroup. *Lecture Notes in Mathematics*, 1281: 73–84, 1987. CODEN LNMAA2. ISBN 3-540-18399-X (print),

3-540-47948-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078692/>.

Laville:1985:EDA

- [Lav85] Guy Laville. Sur l'équation de Dirac avec champ électromagnétique quelconque. (French) []. *Lecture Notes in Mathematics*, 1165: 136–149, 1985. CODEN LNMAA2. ISBN 3-540-16050-7 (print), 3-540-39734-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076150/>.

Laville:1987:CSF

- [Lav87] G. Laville. Sur un calcul symbolique de Feynman. (French) [On a symbolic calculation by Feynman]. *Lecture Notes in Mathematics*, 1295:132–145, 1987. CODEN LNMAA2. ISBN 3-540-18691-3 (print), 3-540-48084-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081980/>.

Lawrynowicz:1985:SDP

- [Law85] Julian Lawrynowicz, editor. *Seminar on Deformations: Proceedings, Łódź–Warsaw 1982/84*, volume 1165 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-16050-7 (print), 3-540-39734-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3.L28 no. 1165. URL <http://link.springer.com/book/10.1007/BFb0076141>; <http://www.springerlink.com/content/978-3-540-39734-2>.

Lawvere:1986:I

- [Law86] F. William Lawvere. Introduction. *Lecture Notes in Mathematics*, 1174:1–16, 1986. CODEN LNMAA2. ISBN 3-540-16096-5 (print), 3-540-39760-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076929/>.

Lawler:1989:CSC

- [Law89] Eugene L. Lawler. Combinatorial structures and combinatorial optimization. *Lecture Notes in Mathematics*, 1403:162–197, 1989. CODEN LNMAA2. ISBN 3-540-51797-9 (print), 3-540-46810-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083464/>.

Lax:1987:SHD

- [Lax87] Peter D. Lax. On symmetrizing hyperbolic differential equations. *Lecture Notes in Mathematics*, 1270:150–151, 1987. CODEN LNMAA2. ISBN 3-540-18200-4 (print), 3-540-47805-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078324>.

Lazer:1988:IMT

- [Laz88] Alan Lazer. Introduction to multiplicity theory for boundary value problems with asymmetric nonlinearities. *Lecture Notes in Mathematics*, 1324:137–165, 1988. CODEN LNMAA2. ISBN 3-540-50111-8 (print), 3-540-45928-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100789/>.

Loparo:1986:ASI

- [LB86] K. A. Loparo and G. L. Blankenship. Almost sure instability of a class of linear stochastic systems with jump process coefficients. *Lecture Notes in Mathematics*, 1186:160–190, 1986. CODEN LNMAA2. ISBN 3-540-16458-8 (print), 3-540-39795-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076838/>.

Light:1985:VDS

- [LC85a] William Allan Light and Elliott Ward Cheney. The L_1 -version of the Diliberto–Straus algorithm. *Lecture Notes in Mathematics*, 1169:75–90, 1985. CODEN LNMAA2. ISBN 3-540-16057-4 (print), 3-540-39741-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075398/>.

Light:1985:AG

- [LC85b] William Allan Light and Elliott Ward Cheney. The algorithm of von Golitschek. *Lecture Notes in Mathematics*, 1169:67–74, 1985. CODEN LNMAA2. ISBN 3-540-16057-4 (print), 3-540-39741-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075397/>.

Light:1985:AA

- [LC85c] William Allan Light and Elliott Ward Cheney. The alternating algorithm. *Lecture Notes in Mathematics*, 1169:48–55, 1985. CODEN LNMAA2. ISBN 3-540-16057-4 (print), 3-540-39741-8

(e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075394/>.

Light:1985:AMR

- [LC85d] William Allan Light and Elliott Ward Cheney. Appendix on miscellaneous results in Banach spaces. *Lecture Notes in Mathematics*, 1169:126–133, 1985. CODEN LNMAA2. ISBN 3-540-16057-4 (print), 3-540-39741-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075402/>.

Light:1985:ABI

- [LC85e] William Allan Light and Elliott Ward Cheney. Appendix on the Bochner integral. *Lecture Notes in Mathematics*, 1169:113–125, 1985. CODEN LNMAA2. ISBN 3-540-16057-4 (print), 3-540-39741-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075401/>.

Light:1985:ATT

- [LC85f] William Allan Light and Elliott Ward Cheney. *Approximation Theory in Tensor Product Spaces*, volume 1169 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-16057-4 (print), 3-540-39741-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). 133 (est.) pp. LCCN QA3.L28 no. 1169. URL [http://link.springer.com/book/10.1007/BFb0075391](http://link.springer.com/book/10.1007/BFb0075391;); <http://www.springerlink.com/content/978-3-540-39741-0>.

Light:1985:CPM

- [LC85g] William Allan Light and Elliott Ward Cheney. Central proximity maps. *Lecture Notes in Mathematics*, 1169:56–59, 1985. CODEN LNMAA2. ISBN 3-540-16057-4 (print), 3-540-39741-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075395/>.

Light:1985:DSA

- [LC85h] William Allan Light and Elliott Ward Cheney. The Diliberto–Straus algorithm in $C(S \times T)$. *Lecture Notes in Mathematics*, 1169:60–66, 1985. CODEN LNMAA2. ISBN 3-540-16057-4 (print), 3-540-39741-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075396/>.

Light:1985:EPC

- [LC85i] William Allan Light and Elliott Ward Cheney. Estimates of projection constants. *Lecture Notes in Mathematics*, 1169:91–102, 1985. CODEN LNMAA2. ISBN 3-540-16057-4 (print), 3-540-39741-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075399/>.

Light:1985:ITP

- [LC85j] William Allan Light and Elliott Ward Cheney. An introduction to tensor product spaces. *Lecture Notes in Mathematics*, 1169:1–34, 1985. CODEN LNMAA2. ISBN 3-540-16057-4 (print), 3-540-39741-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075392/>.

Light:1985:MP

- [LC85k] William Allan Light and Elliott Ward Cheney. Minimal projections. *Lecture Notes in Mathematics*, 1169:103–112, 1985. CODEN LNMAA2. ISBN 3-540-16057-4 (print), 3-540-39741-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075400/>.

Light:1985:P

- [LC85l] William Allan Light and Elliott Ward Cheney. Proximality. *Lecture Notes in Mathematics*, 1169:35–47, 1985. CODEN LNMAA2. ISBN 3-540-16057-4 (print), 3-540-39741-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075393/>.

Lelong:1986:SAA

- [LDS86] Pierre Lelong, Pierre Dolbeault, and Henri Skoda, editors. *Séminaire d'Analyse: Années 1983/1984. (French) []*, volume 1198 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16762-5 (print), 3-540-38729-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1198. URL <http://link.springer.com/book/10.1007/BFb0077039>; <http://www.springerlink.com/content/978-3-540-38729-9>.

LeBruyn:1986:C

- [Le 86a] Lieven Le Bruyn. Cohomology of $\mathbb{P}_{(2)}^m$. *Lecture Notes in Mathematics*, 1220:130–156, 1986. CODEN LNMAA2. ISBN 3-540-17185-1 (print), 3-540-47255-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099510/>.

leBruyn:1986:PS

- [Le 86b] Lieven Le Bruyn. The Poincaré series of $\Pi_{m,2}$. *Lecture Notes in Mathematics*, 1197:90–108, 1986. CODEN LNMAA2. ISBN 3-540-16496-0 (print), 3-540-39833-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076316/>.

LeJan:1986:HDS

- [Le 86c] Y. Le Jan. Hausdorff dimension for the statistical equilibrium of stochastics flows. *Lecture Notes in Mathematics*, 1158:201–207, 1986. CODEN LNMAA2. ISBN 3-540-15998-3 (print), 3-540-39703-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080218/>.

LeJan:1987:TLS

- [Le 87] Y. Le Jan. Temps local et superchamp. (French) []. *Lecture Notes in Mathematics*, 1247:176–190, 1987. CODEN LNMAA2. ISBN 3-540-17768-X (print), 3-540-47814-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077633/>.

LeBruyn:1988:CGD

- [Le 88a] Lieven Le Bruyn. Centers of generic division algebras and zeta-functions. *Lecture Notes in Mathematics*, 1328:135–164, 1988. CODEN LNMAA2. ISBN 3-540-19474-6 (print), 3-540-39278-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100922/>.

LeGall:1988:FPP

- [Le 88b] Jean-François Le Gall. Sur les fonctions polaires pour le mouvement brownien. (French) []. *Lecture Notes in Mathematics*, 1321:186–189, 1988. CODEN LNMAA2. ISBN 3-540-19351-0 (print), 3-540-39228-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084136/>.

LeJan:1988:FSR

- [Le 88c] Yves Le Jan. On the Fock space representation of occupations times for non reversible Markov processes. *Lecture Notes in Mathematics*, 1322:134–138, 1988. CODEN LNMAA2. ISBN 3-540-19352-9 (print), 3-540-39232-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077871/>.

LeBruyn:1989:SES

- [Le 89] Lieven Le Bruyn. Simultaneous equivalence of square matrices. *Lecture Notes in Mathematics*, 1404:127–136, 1989. CODEN LNMAA2. ISBN 3-540-51812-6 (print), 3-540-46814-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084074/>.

Lopez-Escobar:1985:PFC

- [LE85] E. G. K. López-Escobar. Proof functional connectives. *Lecture Notes in Mathematics*, 1130:208–221, 1985. CODEN LNMAA2. ISBN 3-540-15236-9 (print), 3-540-39414-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075313/>.

Leandre:1987:DTP

- [Léa87] Rémi Léandre. Densité en temps petit d'un processus de sauts. (French) []. *Lecture Notes in Mathematics*, 1247:81–99, 1987. CODEN LNMAA2. ISBN 3-540-17768-X (print), 3-540-47814-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077628/>.

Leandre:1988:AQG

- [Léa88] Rémi Léandre. Applications quantitatives et géométriques du calcul de Malliavin. (French) []. *Lecture Notes in Mathematics*, 1322:109–133, 1988. CODEN LNMAA2. ISBN 3-540-19352-9 (print), 3-540-39232-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077870/>.

Lech:1986:MCB

- [Lec86a] Christer Lech. A method for constructing bad Noetherian local rings. *Lecture Notes in Mathematics*, 1183:241–247, 1986. CODEN LNMAA2. ISBN 3-540-16453-7 (print), 3-540-39790-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075463/>.

Lech:1986:YAP

- [Lec86b] Crister Lech. Yet another proof of a result by Ogoma. *Lecture Notes in Mathematics*, 1183:248–249, 1986. CODEN LNMAA2. ISBN 3-540-16453-7 (print), 3-540-39790-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075464>.

Ledoux:1986:SBC

- [Led86a] Michel Ledoux. On the small balls condition in the central limit theorem in uniformly convex spaces. *Lecture Notes in Mathematics*, 1193:44–52, 1986. CODEN LNMAA2. ISBN 3-540-16487-1 (print), 3-540-39826-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077099/>.

Ledrappier:1986:PES

- [Led86b] F. Ledrappier. Positivity of the exponent for stationary sequences of matrices. *Lecture Notes in Mathematics*, 1186:56–73, 1986. CODEN LNMAA2. ISBN 3-540-16458-8 (print), 3-540-39795-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076833/>.

Lehmann:1986:MMR

- [Leh86] Daniel Lehmann. Modele minimal relatif des feuilletages. *Lecture Notes in Mathematics*, 1183:250–258, 1986. CODEN LNMAA2. ISBN 3-540-16453-7 (print), 3-540-39790-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075465/>.

Lenstra:1985:GTP

- [Len85] H. W. Lenstra, Jr. Galois theory and primality testing. *Lecture Notes in Mathematics*, 1142:169–189, 1985. CODEN LNMAA2. ISBN 3-540-15674-7 (print), 3-540-39601-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074800/>.

Lenzing:1986:CSA

- [Len86] Helmut Lenzing. Curve singularities arising from the representation theory of tame hereditary algebras. *Lecture Notes in Mathematics*, 1177:199–231, 1986. CODEN LNMAA2. ISBN 3-540-16432-4 (print), 3-540-39776-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075266/>.

Lennox:1987:SGN

- [Len87] John C. Lennox. Soluble groups with nilpotent-extensible subgroups. *Lecture Notes in Mathematics*, 1281:103–106, 1987. CODEN LNMAA2. ISBN 3-540-18399-X (print), 3-540-47948-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078694/>.

LePage:1989:AMI

- [LeP89a] Raoul LePage. Appendix multidimensional infinitely divisible variables and processes. Part I: Stable case. *Lecture Notes in Mathematics*, 1391:153–163, 1989. CODEN LNMAA2. ISBN 3-540-51548-8 (print), 3-540-48244-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083389/>.

LePage:1989:CMC

- [LeP89b] Raoul LePage. Conditional moments for coordinates of stable vectors. *Lecture Notes in Mathematics*, 1391:148–152, 1989. CODEN LNMAA2. ISBN 3-540-51548-8 (print), 3-540-48244-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083388/>.

Lerman:1985:OCH

- [Ler85] Manuel Lerman. On the ordering of classes in high/low hierarchies. *Lecture Notes in Mathematics*, 1141:260–270, 1985. CODEN LNMAA2. ISBN 3-540-15673-9 (print), 3-540-39596-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076225/>.

Leroy:1986:DAA

- [Ler86] A. Leroy. S -dérivations algébriques sur les anneaux premiers. (French) []. *Lecture Notes in Mathematics*, 1197:114–120, 1986. CODEN LNMAA2. ISBN 3-540-16496-0 (print), 3-540-39833-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076318/>.

Lerat:1989:DSN

- [Ler89] A. Lerat. Difference schemes for nonlinear hyperbolic systems — a general framework. *Lecture Notes in Mathematics*, 1402:12–29, 1989. CODEN LNMAA2. ISBN 3-540-51746-4 (print), 3-540-46800-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083865/>.

Lescot:1988:SPM

- [Les88] Jack Lescot. Séries de Poincaré des modules multi-gradués sur les anneaux monômiaux. (French) []. *Lecture Notes in Mathematics*, 1318:155–161, 1988. CODEN LNMAA2. ISBN 3-540-19340-5 (print), 3-540-39204-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077801/>.

Letac:1989:PCF

- [Let89] Gérard Letac. Le problème de la classification des familles exponentielles naturelles de \mathbf{R}^d ayant une fonction variance quadratique. (French) []. *Lecture Notes in Mathematics*, 1379:192–216, 1989. CODEN LNMAA2. ISBN 3-540-51401-5 (print), 3-540-46206-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087855/>.

Levasseur:1985:CBA

- [Lev85a] Thierry Levasseur. Complexe bidualisant en algèbre non commutative. (French) []. *Lecture Notes in Mathematics*, 1146:270–287, 1985. CODEN LNMAA2. ISBN 3-540-15686-0 (print), 3-540-39628-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074541/>.

Levine:1985:CCP

- [Lev85b] Harold Levine. Canonical coordinatized product neighborhoods (C^2 pn). *Lecture Notes in Mathematics*, 1157:25–46, 1985. CODEN LNMAA2. ISBN 3-540-15995-9 (print), 3-540-39700-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075069/>.

Levine:1985:CIS

- [Lev85c] Harold Levine. *Classifying Immersions into \mathbf{R}^4 over Stable Maps of 3-Manifolds into \mathbf{R}^2* , volume 1157 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15995-9 (print), 3-540-39700-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). v + 163 pp. LCCN QA3 .L28 no. 1157. URL [http://link.springer.com/book/10.1007/BFb0075066](http://link.springer.com/book/10.1007/BFb0075066;); <http://www.springerlink.com/content/978-3-540-39700-7>.

Levine:1985:I

- [Lev85d] Harold Levine. Introduction. *Lecture Notes in Mathematics*, 1157: 1–5, 1985. CODEN LNMAA2. ISBN 3-540-15995-9 (print), 3-540-39700-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075067/>.

Levine:1985:LSM

- [Lev85e] Harold Levine. Lifting stable maps of three manifolds into the plane to immersions in \mathbf{R}^4 . *Lecture Notes in Mathematics*, 1157: 47–128, 1985. CODEN LNMAA2. ISBN 3-540-15995-9 (print), 3-540-39700-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075070/>.

Levine:1985:SSM

- [Lev85f] Harold Levine. The singularities of stable maps of three manifolds into the plane. *Lecture Notes in Mathematics*, 1157:6–24, 1985. CODEN LNMAA2. ISBN 3-540-15995-9 (print), 3-540-39700-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075068/>.

Levine:1985:LGH

- [Lev85g] J. P. Levine. Lectures on groups of homotopy spheres. *Lecture Notes in Mathematics*, 1126:62–95, 1985. CODEN LNMAA2. ISBN 3-540-15235-0 (print), 3-540-39413-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074439/>.

Levitt:1985:SRL

- [Lev85h] Norman Levitt. Some remarks on local formulae for p_1 . *Lecture Notes in Mathematics*, 1126:96–126, 1985. CODEN LNMAA2. ISBN 3-540-15235-0 (print), 3-540-39413-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074440/>.

Levy:1985:EPL

- [Lev85i] Y. Levy. Ergodic properties of the Lozi map. *Lecture Notes in Mathematics*, 1109:103–116, 1985. CODEN LNMAA2. ISBN 3-540-13914-1 (print), 3-540-39138-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101539/>.

Levine:1988:IBL

- [Lev88] J. P. Levine. The $\bar{\mu}$ -invariants of based links. *Lecture Notes in Mathematics*, 1350:87–103, 1988. CODEN LNMAA2. ISBN 3-540-50369-2 (print), 3-540-45990-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081469/>.

Levasseur:1989:ODS

- [Lev89a] Thierry Levasseur. Operateurs différentiels sur les surfaces munies d'une bonne \mathbf{C}^* -action. (French) []. *Lecture Notes in Mathematics*, 1404:269–295, 1989. CODEN LNMAA2. ISBN 3-540-51812-6 (print), 3-540-46814-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084080/>.

Levitt:1989:EPD

- [Lev89b] Norman Levitt. Equivariant piecewise differentiable immersions. *Lecture Notes in Mathematics*, 1366:181–187, 1989. CODEN LNMAA2. ISBN 3-540-50756-6 (print), 3-540-46078-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085004/>.

Levitt:1989:FLP

- [Lev89c] Norman Levitt. Formal links and the PL Grassmannian $G_{n,k}$. *Lecture Notes in Mathematics*, 1366:43–59, 1989. CODEN LNMAA2. ISBN 3-540-50756-6 (print), 3-540-46078-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084997/>.

Levitt:1989:GPS

- [Lev89d] Norman Levitt. The Grassmannian for piecewise smooth immersions. *Lecture Notes in Mathematics*, 1366:116–160, 1989. CODEN LNMAA2. ISBN 3-540-50756-6 (print), 3-540-46078-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085002/>.

Levitt:1989:ITS

- [Lev89e] Norman Levitt. The immersion theorem for subcomplexes of $G_{n,k}$. *Lecture Notes in Mathematics*, 1366:70–86, 1989. CODEN LNMAA2. ISBN 3-540-50756-6 (print), 3-540-46078-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084999/>.

Levitt:1989:IER

- [Lev89f] Norman Levitt. Immersions equivariant with respect to orthogonal actions on R^{n+k} . *Lecture Notes in Mathematics*, 1366:87–100, 1989. CODEN LNMAA2. ISBN 3-540-50756-6 (print), 3-540-46078-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085000/>.

Levitt:1989:ITM

- [Lev89g] Norman Levitt. Immersions into triangulated manifolds (with R. Mladineo). *Lecture Notes in Mathematics*, 1366:101–115, 1989. CODEN LNMAA2. ISBN 3-540-50756-6 (print), 3-540-46078-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085001/>.

Levitt:1989:I

- [Lev89h] Norman Levitt. Introduction. *Lecture Notes in Mathematics*, 1366:1–10, 1989. CODEN LNMAA2. ISBN 3-540-50756-6 (print), 3-540-46078-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084995/>.

Levitt:1989:LFC

- [Lev89i] Norman Levitt. Local formulae for characteristic classes. *Lecture Notes in Mathematics*, 1366:11–42, 1989. CODEN LNMAA2. ISBN 3-540-50756-6 (print), 3-540-46078-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084996/>.

Levitt:1989:PDI

- [Lev89j] Norman Levitt. Piecewise differentiable immersions into Riemannian manifolds. *Lecture Notes in Mathematics*, 1366:188–197, 1989. CODEN LNMAA2. ISBN 3-540-50756-6 (print), 3-540-46078-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085005/>.

Levitt:1989:SAS

- [Lev89k] Norman Levitt. Some applications to smoothing theory. *Lecture Notes in Mathematics*, 1366:161–180, 1989. CODEN LNMAA2. ISBN 3-540-50756-6 (print), 3-540-46078-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085003/>.

Levitt:1989:SVC

- [Lev89] Norman Levitt. Some variations of the $G_{n,k}$ construction. *Lecture Notes in Mathematics*, 1366:60–69, 1989. CODEN LNMAA2. ISBN 3-540-50756-6 (print), 3-540-46078-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084998/>.

Lewis:1986:EAB

- [Lew86a] J. T. Lewis. An elementary approach to Brownian motion on manifolds. *Lecture Notes in Mathematics*, 1158:158–167, 1986. CODEN LNMAA2. ISBN 3-540-15998-3 (print), 3-540-39703-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080215/>.

Lewis:1986:TS

- [Lew86b] L. G. Lewis, Jr. Thom spectra. *Lecture Notes in Mathematics*, 1213:407–449, 1986. CODEN LNMAA2. ISBN 3-540-16820-6 (print), 3-540-47077-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075788/>.

Lewis:1987:ASF

- [Lew87] John L. Lewis. Approximations of Sobolev functions and related topics. *Lecture Notes in Mathematics*, 1275:223–234, 1987. CODEN LNMAA2. ISBN 3-540-18356-6 (print), 3-540-47899-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078355/>.

Lewis:1988:LDP

- [Lew88a] J. T. Lewis. The large deviation principle in statistical mechanics: an expository account. *Lecture Notes in Mathematics*, 1325:141–155, 1988. CODEN LNMAA2. ISBN 3-540-50015-4 (print), 3-540-45887-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077923/>.

Lewis:1988:GEO

- [Lew88b] L. Gaunce Lewis, Jr. The $RO(G)$ -graded equivariant ordinary cohomology of complex projective spaces with linear \mathbf{Z}/p actions. *Lecture Notes in Mathematics*, 1361:53–122, 1988. CODEN LNMAA2. ISBN 3-540-50528-8 (print), 3-540-46036-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083034/>.

Lex:1988:RAL

- [Lex88] Wilfried Lex. Remarks on acts and the lattice of their torsion theories. *Lecture Notes in Mathematics*, 1320:183–193, 1988. CODEN LNMAA2. ISBN 3-540-19347-2 (print), 3-540-39225-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083432/>.

Larroutou:1989:EMC

- [LF89] B. Larroutou and L. Fézoui. On the equations of multi-component perfect of real gas inviscid flow. *Lecture Notes in Mathematics*, 1402:69–98, 1989. CODEN LNMAA2. ISBN 3-540-51746-4 (print), 3-540-46800-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083869/>.

Li:1986:CG

- [Li86] Huiling Li. On 2-connectedness of geometries. *Lecture Notes in Mathematics*, 1185:308–313, 1986. CODEN LNMAA2. ISBN 3-540-16456-1 (print), 3-540-39793-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076181/>.

Li:1988:FBP

- [Li88] Huilai Li. Free boundary problems for degenerate parabolic equations. *Lecture Notes in Mathematics*, 1306:102–130, 1988. CODEN LNMAA2. ISBN 3-540-19097-X (print), 3-540-39107-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082928/>.

Li:1989:AMS

- [Li89a] An-Min Li. Affine maximal surfaces and harmonic functions. *Lecture Notes in Mathematics*, 1369:142–151, 1989. CODEN LNMAA2. ISBN 3-540-51037-0 (print), 3-540-46137-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087530/>.

Li:1989:SFM

- [Li89b] Chao-Qun Li. On solutions of frame mappings into manifolds. *Lecture Notes in Mathematics*, 1411:143–147, 1989. CODEN LNMAA2. ISBN 3-540-51932-7 (print), 3-540-46862-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086449/>.

Lichnerowicz:1985:GDS

- [Lic85] André Lichnerowicz. Geometry of dynamical systems with time-dependent constraints and time-dependent Hamiltonians: an approach toward quantization. *Lecture Notes in Mathematics*, 1139: 122–135, 1985. CODEN LNMAA2. ISBN 3-540-15666-6 (print), 3-540-39585-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074580/>.

Lichnerowicz:1986:RCQ

- [Lic86] André Lichnerowicz. Représentation coadjointe quotient et espaces homogènes de contact. (French) []. *Lecture Notes in Mathematics*, 1209:210–221, 1986. CODEN LNMAA2. ISBN 3-540-16801-X (print), 3-540-44844-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076633/>.

Liess:1987:BRO

- [Lie87] Otto Liess. Boundary regularity for one-sided solutions of linear partial differential equations with analytic coefficients. *Lecture Notes in Mathematics*, 1256:312–329, 1987. CODEN LNMAA2. ISBN 3-540-17856-2 (print), 3-540-47886-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077748/>.

Liess:1988:RSC

- [Lie88] Otto Liess. Regularity of solutions of Cauchy problems with smooth Cauchy data. *Lecture Notes in Mathematics*, 1324:166–177, 1988. CODEN LNMAA2. ISBN 3-540-50111-8 (print), 3-540-45928-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100790/>.

Ligocka:1985:OPB

- [Lig85a] Ewa Ligocka. An open problem on boundary behaviour of holomorphic mappings. *Lecture Notes in Mathematics*, 1165:196, 1985. CODEN LNMAA2. ISBN 3-540-16050-7 (print), 3-540-39734-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076153>.

Ligocka:1985:RWB

- [Lig85b] Ewa Ligocka. The regularity of the weighted Bergman projections. *Lecture Notes in Mathematics*, 1165:197–203, 1985. CODEN LN-

MAA2. ISBN 3-540-16050-7 (print), 3-540-39734-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076154/>.

Liggett:1986:NPS

- [Lig86] Thomas M. Liggett. Nearest particle systems: Results and open problems. *Lecture Notes in Mathematics*, 1212:200–215, 1986. CODEN LNMAA2. ISBN 3-540-16803-6 (print), 3-540-47053-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076250/>.

Lima:1985:PSP

- [Lim85] R. Lima. Propriétés spectrales pour des hamiltoniens presque-périodiques. (French) []. *Lecture Notes in Mathematics*, 1109:117–135, 1985. CODEN LNMAA2. ISBN 3-540-13914-1 (print), 3-540-39138-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101540/>.

deLin:1986:QIK

- [Lin86a] Cheng de Lin. Quand l'inégalité de Kunita–Watanabe est-elle une égalité?. (French) []. *Lecture Notes in Mathematics*, 1204:40–47, 1986. CODEN LNMAA2. ISBN 3-540-16779-X (print), 3-540-39860-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075710/>.

Lindstrom:1986:NAP

- [Lin86b] Tom Lindstrøm. Nonstandard analysis and perturbations of the Laplacian along Brownian paths. *Lecture Notes in Mathematics*, 1158:180–200, 1986. CODEN LNMAA2. ISBN 3-540-15998-3 (print), 3-540-39703-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080217/>.

Lindblad:1988:DEQ

- [Lin88a] Göran Lindblad. Dynamical entropy for quantum systems. *Lecture Notes in Mathematics*, 1303:183–191, 1988. CODEN LNMAA2. ISBN 3-540-18919-X (print), 3-540-38846-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078062/>.

Lindenstrauss:1988:SUF

- [Lin88b] J. Lindenstrauss. Some useful facts about Banach spaces. *Lecture Notes in Mathematics*, 1317:185–200, 1988. CODEN LNMAA2. ISBN 3-540-19353-7 (print), 3-540-39235-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081740/>.

Lions:1985:OCV

- [Lio85] P.-L. Lions. Optimal control and viscosity solutions. *Lecture Notes in Mathematics*, 1119:94–112, 1985. CODEN LNMAA2. ISBN 3-540-15217-2 (print), 3-540-39365-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074782/>.

Lions:1986:DSU

- [Lio86] J.-L. Lions. Distributed systems with uncomplete data and Lagrange multipliers. *Lecture Notes in Mathematics*, 1190:273–305, 1986. CODEN LNMAA2. ISBN 3-540-16476-6 (print), 3-540-39817-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076711/>.

Lions:1989:VSF

- [Lio89] P.-L. Lions. Viscosity solutions of fully nonlinear second order equations and optimal stochastic control in infinite dimensions. Part II: Optimal control of Zakai's equation. *Lecture Notes in Mathematics*, 1390:147–170, 1989. CODEN LNMAA2. ISBN 3-540-51510-0 (print), 3-540-48200-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083943/>.

Lisica:1987:APD

- [Lis87] Yu. T. Lisica. The Alexander–Pontryagin duality theorem for coherent homology and cohomology with coefficients in sheaves of modules. *Lecture Notes in Mathematics*, 1283:148–163, 1987. CODEN LNMAA2. ISBN 3-540-18443-0 (print), 3-540-47975-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081425/>.

Lisitsky:1989:SRV

- [Lis89] A. D. Lisitsky. Stable random vectors in Hilbert space. *Lecture Notes in Mathematics*, 1412:172–182, 1989. CODEN LNMAA2. ISBN 3-540-51948-3 (print), 3-540-46863-3 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084172/>.

Litherland:1985:STS

- [Lit85] R. A. Litherland. Symmetries of twist-spun knots. *Lecture Notes in Mathematics*, 1144:97–107, 1985. CODEN LNMAA2. ISBN 3-540-15680-1 (print), 3-540-39616-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075013/>.

Littlejohn:1988:OPS

- [Lit88] L. L. Littlejohn. Orthogonal polynomial solutions to ordinary and partial differential equations. *Lecture Notes in Mathematics*, 1329:98–124, 1988. CODEN LNMAA2. ISBN 3-540-19489-4 (print), 3-540-39295-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083355/>.

Liulevicius:1988:RLS

- [Liu88] Arunas Liulevicius. A reciprocity law for symmetric products of G -sets. *Lecture Notes in Mathematics*, 1350:266–269, 1988. CODEN LNMAA2. ISBN 3-540-50369-2 (print), 3-540-45990-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081480/>.

Livsic:1987:CNO

- [Liv87] Moshe S. Livšic. Commuting nonselfadjoint operators and collective motions of systems. *Lecture Notes in Mathematics*, 1272:1–38, 1987. CODEN LNMAA2. ISBN 3-540-18316-7 (print), 3-540-47877-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078926/>.

Ljapin:1988:SEP

- [Lja88] E. S. Ljapin. Semigroup extensions of partial groupoids. *Lecture Notes in Mathematics*, 1320:205–217, 1988. CODEN LNMAA2. ISBN 3-540-19347-2 (print), 3-540-39225-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083434/>.

Lassner:1985:QAG

- [LL85] G. Lassner and G. A. Lassner. Quasi- $*$ -algebras and general Weyl quantization. *Lecture Notes in Mathematics*, 1139:108–121, 1985.

CODEN LNMAA2. ISBN 3-540-15666-6 (print), 3-540-39585-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074579/>.

Labelle:1986:CEP

- [LL86] Gilbert Labelle and Pierre Leroux, editors. *Combinatoire énumérative: Proceedings of the “Colloque de combinatoire énumérative”, held at Université du Québec à Montréal, May 28–June 1, 1985*, volume 1234 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-17207-6 (print), 3-540-47402-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1234. URL <http://link.springer.com/book/10.1007/BFb0072503>; <http://www.springerlink.com/content/978-3-540-47402-9>.

Lewandowski:1989:RTC

- [LL89] M. Lewandowski and W. Linde. Real translates of complex measures. *Lecture Notes in Mathematics*, 1391:164–177, 1989. CODEN LNMAA2. ISBN 3-540-51548-8 (print), 3-540-48244-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083390/>.

Livingston:1985:AIS

- [LM85] Charles Livingston and Paul Melvin. Abelian invariants of satellite knots. *Lecture Notes in Mathematics*, 1167:217–227, 1985. CODEN LNMAA2. ISBN 3-540-16053-1 (print), 3-540-39738-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075225/>.

Lai:1986:VTI

- [LM86a] King-Fai Lai and Ngaiming Mok. On a vanishing theorem on irreducible quotients of finite volume of polydiscs. *Lecture Notes in Mathematics*, 1198:163–171, 1986. CODEN LNMAA2. ISBN 3-540-16762-5 (print), 3-540-38729-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077051/>.

Ledoux:1986:SRU

- [LM86b] M. Ledoux and M. B. Marcus. Some remarks on the uniform convergence of Gaussian and Rademacher Fourier quadratic forms. *Lecture Notes in Mathematics*, 1193:53–72, 1986. CODEN LNMAA2. ISBN 3-540-16487-1 (print), 3-540-39826-0 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077100/>.

Lewis:1986:CUS

- [LM86c] L. G. Lewis, Jr. and J. P. May. Change of universe, smash products, and change of groups. *Lecture Notes in Mathematics*, 1213: 54–116, 1986. CODEN LNMAA2. ISBN 3-540-16820-6 (print), 3-540-47077-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075781/>.

Lewis:1986:EDT

- [LM86d] L. G. Lewis, Jr. and J. P. May. Equivariant duality theory. *Lecture Notes in Mathematics*, 1213:117–174, 1986. CODEN LNMAA2. ISBN 3-540-16820-6 (print), 3-540-47077-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075782/>.

Lewis:1986:ESC

- [LM86e] L. G. Lewis, Jr. and J. P. May. The equivariant stable category. *Lecture Notes in Mathematics*, 1213:6–53, 1986. CODEN LNMAA2. ISBN 3-540-16820-6 (print), 3-540-47077-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075780/>.

Lewis:1986:ETS

- [LM86f] L. G. Lewis, Jr. and J. P. May. Equivariant Thom spectra. *Lecture Notes in Mathematics*, 1213:450–474, 1986. CODEN LNMAA2. ISBN 3-540-16820-6 (print), 3-540-47077-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075789/>.

Lewis:1986:ET

- [LM86g] L. G. Lewis, Jr. and J. P. May. Equivariant transfer. *Lecture Notes in Mathematics*, 1213:175–235, 1986. CODEN LNMAA2. ISBN 3-540-16820-6 (print), 3-540-47077-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075783/>.

Longobardi:1987:NGC

- [LM87] Patrizia Longobardi and Mercedes Maj. On the nilpotence of groups with a certain lattice of normal subgroups. *Lecture Notes in Mathematics*, 1281:107–114, 1987. CODEN LNMAA2. ISBN

3-540-18399-X (print), 3-540-47948-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078695/>.

Lickorish:1988:EPL

- [LM88a] W. B. R. Lickorish and K. C. Millett. An evaluation of the F -polynomial of a link. *Lecture Notes in Mathematics*, 1350:104–108, 1988. CODEN LNMAA2. ISBN 3-540-50369-2 (print), 3-540-45990-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081470/>.

Lindsay:1988:IKA

- [LM88b] Martin Lindsay and Hans Maassen. An integral kernel approach to noise. *Lecture Notes in Mathematics*, 1303:192–208, 1988. CODEN LNMAA2. ISBN 3-540-18919-X (print), 3-540-38846-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078063/>.

Leandre:1989:DDC

- [LM89a] R. Léandre and P.-A. Meyer. Sur le développement d’une diffusion en chaos de Wiener. (French) []. *Lecture Notes in Mathematics*, 1372:161–164, 1989. CODEN LNMAA2. ISBN 3-540-51191-1 (print), 3-540-46176-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083968/>.

Loridan:1989:RTL

- [LM89b] P. Loridan and J. Morgan. ϵ -Regularized two-level optimization problems: approximation and existence results. *Lecture Notes in Mathematics*, 1405:99–113, 1989. CODEN LNMAA2. ISSN 0075-8434 (print), 1617-9692 (electronic).

Lewis:1986:BRS

- [LMM86] L. G. Lewis, Jr., J. P. May, and J. E. McClure. The Burnside ring and splittings in equivariant homology theory. *Lecture Notes in Mathematics*, 1213:236–298, 1986. CODEN LNMAA2. ISBN 3-540-16820-6 (print), 3-540-47077-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075784/>.

Lewis:1986:ORS

- [LMS86a] L. G. Lewis, Jr., J. P. May, and M. Steinberger. Operad ring spectra. *Lecture Notes in Mathematics*, 1213:350–383, 1986. CODEN LNMAA2. ISBN 3-540-16820-6 (print), 3-540-47077-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075786/>.

Lewis:1986:THS

- [LMS86b] L. G. Lewis, Jr., J. P. May, and M. Steinberger. Twisted half smash products and extended powers. *Lecture Notes in Mathematics*, 1213:299–349, 1986. CODEN LNMAA2. ISBN 3-540-16820-6 (print), 3-540-47077-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075785/>.

Lewis:1986:ESH

- [LMS86c] L. Gaunce Lewis, Jr., J. Peter May, and Mark Steinberger. *Equivariant Stable Homotopy Theory*, volume 1213 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16820-6 (print), 3-540-47077-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). 474 (est.) pp. LCCN QA3 .L28 no. 1213. URL [http://link.springer.com/book/10.1007/BFb0075778](http://link.springer.com/book/10.1007/BFb0075778;); <http://www.springerlink.com/content/978-3-540-47077-9>.

Lukes:1986:BBS

- [LMZ86a] Jaroslav Lukeš, Jan Malý, and Luděk Zajíček. Baire and Blumberg spaces. *Lecture Notes in Mathematics*, 1189:133–142, 1986. CODEN LNMAA2. ISBN 3-540-16474-X (print), 3-540-39814-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075899/>.

Lukes:1986:BOS

- [LMZ86b] Jaroslav Lukeš, Jan Malý, and Luděk Zajíček. Base operator spaces. *Lecture Notes in Mathematics*, 1189:5–37, 1986. CODEN LNMAA2. ISBN 3-540-16474-X (print), 3-540-39814-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075896/>.

Lukes:1986:BBF

- [LMZ86c] Jaroslav Lukeš, Jan Malý, and Luděk Zajíček. Boundary behaviour of functions. *Lecture Notes in Mathematics*, 1189:287–

317, 1986. CODEN LNMAA2. ISBN 3-540-16474-X (print), 3-540-39814-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075904/>.

Lukes:1986:CPF

- [LMZ86d] Jaroslav Lukeš, Jan Malý, and Luděk Zajíček. Connectivity properties of fine topologies. *Lecture Notes in Mathematics*, 1189:142–147, 1986. CODEN LNMAA2. ISBN 3-540-16474-X (print), 3-540-39814-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075900/>.

Lukes:1986:DT

- [LMZ86e] Jaroslav Lukeš, Jan Malý, and Luděk Zajíček. Density topologies. *Lecture Notes in Mathematics*, 1189:147–229, 1986. CODEN LNMAA2. ISBN 3-540-16474-X (print), 3-540-39814-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075901/>.

Lukes:1986:E

- [LMZ86f] Jaroslav Lukeš, Jan Malý, and Luděk Zajíček. Errata. *Lecture Notes in Mathematics*, 1189:e1–e2, 1986. CODEN LNMAA2. ISBN 3-540-16474-X (print), 3-540-39814-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075910>.

Lukes:1986:ET

- [LMZ86g] Jaroslav Lukeš, Jan Malý, and Luděk Zajíček. Extension theorems. *Lecture Notes in Mathematics*, 1189:259–287, 1986. CODEN LNMAA2. ISBN 3-540-16474-X (print), 3-540-39814-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075903/>.

Lukes:1986:FDP

- [LMZ86h] Jaroslav Lukeš, Jan Malý, and Luděk Zajíček. The fine Dirichlet problem. *Lecture Notes in Mathematics*, 1189:388–407, 1986. CODEN LNMAA2. ISBN 3-540-16474-X (print), 3-540-39814-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075908/>.

Lukes:1986:FTP

- [LMZ86i] Jaroslav Lukeš, Jan Malý, and Luděk Zajíček. Fine topology in potential theory. *Lecture Notes in Mathematics*, 1189:317–347, 1986. CODEN LNMAA2. ISBN 3-540-16474-X (print), 3-540-39814-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075905/>.

Lukes:1986:FTM

- [LMZ86j] Jaroslav Lukeš, Jan Malý, and Luděk Zajíček. *Fine Topology Methods in Real Analysis and Potential Theory*, volume 1189 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16474-X (print), 3-540-39814-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). x + 472 pp. LCCN QA3 .L28 no. 1189. URL <http://link.springer.com/book/10.1007/BFb0075894>; <http://www.springerlink.com/content/978-3-540-39814-1>.

Lukes:1986:FHF

- [LMZ86k] Jaroslav Lukeš, Jan Malý, and Luděk Zajíček. Finely hyperharmonic functions. *Lecture Notes in Mathematics*, 1189:365–388, 1986. CODEN LNMAA2. ISBN 3-540-16474-X (print), 3-540-39814-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075907/>.

Lukes:1986:FEF

- [LMZ86l] Jaroslav Lukeš, Jan Malý, and Luděk Zajíček. Further examples of fine topologies. *Lecture Notes in Mathematics*, 1189:229–259, 1986. CODEN LNMAA2. ISBN 3-540-16474-X (print), 3-540-39814-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075902/>.

Lukes:1986:GPF

- [LMZ86m] Jaroslav Lukeš, Jan Malý, and Luděk Zajíček. General properties of fine topologies. *Lecture Notes in Mathematics*, 1189:38–69, 1986. CODEN LNMAA2. ISBN 3-540-16474-X (print), 3-540-39814-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075897/>.

Lukes:1986:HS

- [LMZ86n] Jaroslav Lukeš, Jan Malý, and Luděk Zajíček. Harmonic spaces. *Lecture Notes in Mathematics*, 1189:347–365, 1986. CODEN LNMAA2. ISBN 3-540-16474-X (print), 3-540-39814-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075906/>.

Lukes:1986:LMP

- [LMZ86o] Jaroslav Lukeš, Jan Malý, and Luděk Zajíček. The Lusin–Menchoff property of fine topologies. *Lecture Notes in Mathematics*, 1189:70–132, 1986. CODEN LNMAA2. ISBN 3-540-16474-X (print), 3-540-39814-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075898/>.

Lukes:1986:P

- [LMZ86p] Jaroslav Lukeš, Jan Malý, and Luděk Zajíček. Prologue. *Lecture Notes in Mathematics*, 1189:1–4, 1986. CODEN LNMAA2. ISBN 3-540-16474-X (print), 3-540-39814-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075895/>.

Lukes:1986:QTM

- [LMZ86q] Jaroslav Lukeš, Jan Malý, and Luděk Zajíček. Quasi-topological methods. *Lecture Notes in Mathematics*, 1189:407–423, 1986. CODEN LNMAA2. ISBN 3-540-16474-X (print), 3-540-39814-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075909/>.

Luo:1987:ABC

- [LN87] L. S. Luo and J. Nuttall. Asymptotic behavior of the Christoffel function related to a certain unbounded set. *Lecture Notes in Mathematics*, 1287:105–116, 1987. CODEN LNMAA2. ISBN 3-540-18500-3 (print), 3-540-47991-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078900/>.

Lin:1988:DCS

- [LN88] Chang-Shou Lin and Wei-Ming Ni. On the diffusion coefficient of a semilinear Neumann problem. *Lecture Notes in Mathematics*, 1340:160–174, 1988. CODEN LNMAA2. ISBN 3-540-50119-3

(print), 3-540-45932-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082894/>.

Leutbecher:1989:CEU

- [LN89] Armin Leutbecher and Gerhard Niklasch. On cliques of exceptional units and Lenstra's construction of Euclidean fields. *Lecture Notes in Mathematics*, 1380:150–178, 1989. CODEN LNMAA2. ISBN 3-540-51397-3 (print), 3-540-46205-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086551/>.

Liulevicius:1986:DOS

- [LÖ86] Arunas Liulevicius and Murad Özaydın. Duality in orbit spaces. *Lecture Notes in Mathematics*, 1217:249–252, 1986. CODEN LNMAA2. ISBN 3-540-16824-9 (print), 3-540-47097-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072826/>.

Loeb:1986:PCO

- [Loe86] Jean-Jacques Loeb. Pseudo-convexité des ouverts invariants et convexité géodésique dans certains espaces symétriques. (French) []. *Lecture Notes in Mathematics*, 1198:172–190, 1986. CODEN LNMAA2. ISBN 3-540-16762-5 (print), 3-540-38729-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077052/>.

Loeser:1987:EIT

- [Loe87] F. Loeser. Évaluation d'intégrales et théorie de Hodge. (French) []. *Lecture Notes in Mathematics*, 1246:125–142, 1987. CODEN LNMAA2. ISBN 3-540-17743-4 (print), 3-540-47794-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077535/>.

Long:1985:CPA

- [Lon85] D. D. Long. Constructing pseudo-Anosov maps. *Lecture Notes in Mathematics*, 1144:108–114, 1985. CODEN LNMAA2. ISBN 3-540-15680-1 (print), 3-540-39616-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075014/>.

Longtin:1986:CNC

- [Lon86] André Longtin. Une combinatoire non-commutative pour l'étude des nombres secants. (French) []. *Lecture Notes in Mathematics*, 1234:246–266, 1986. CODEN LNMAA2. ISBN 3-540-17207-6 (print), 3-540-47402-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072519/>.

Longinetti:1988:SII

- [Lon88] Marco Longinetti. Some isoperimetric inequalities for the level curves of capacity and Green's functions on convex plane domains. *Lecture Notes in Mathematics*, 1340:175–192, 1988. CODEN LNMAA2. ISBN 3-540-50119-3 (print), 3-540-45932-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082895/>.

Longobardi:1989:GPP

- [Lon89] Patrizia Longobardi. On groups with a permutational property on commutators. *Lecture Notes in Mathematics*, 1398:110–116, 1989. CODEN LNMAA2. ISBN 3-540-51695-6 (print), 3-540-46756-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086247/>.

Lopez:1988:STP

- [Lóp88] G. López. Szegő's Theorem for polynomials orthogonal with respect to varying measures. *Lecture Notes in Mathematics*, 1329:255–260, 1988. CODEN LNMAA2. ISBN 3-540-19489-4 (print), 3-540-39295-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083365/>.

Lorenz:1986:AA

- [Lor86] Martin Lorenz. On affine algebras. *Lecture Notes in Mathematics*, 1197:121–126, 1986. CODEN LNMAA2. ISBN 3-540-16496-0 (print), 3-540-39833-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076319/>.

Lorenz:1988:FRS

- [Lor88] Martin Lorenz. Frobenius reciprocity and G_0 of skew group rings. *Lecture Notes in Mathematics*, 1328:165–172, 1988. CODEN LNMAA2. ISBN 3-540-19474-6 (print), 3-540-39278-5 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100923/>.

Losert:1985:GFF

- [Los85a] Prof. Dr. Viktor Losert. Gleichverteilte Folgen Und Folgen, Für Die Fast Alle Teilfolgen Gleichverteilt Sind. (German) []. *Lecture Notes in Mathematics*, 1114:84–97, 1985. CODEN LNMAA2. ISBN 3-540-15189-3 (print), 3-540-39281-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101648/>.

Losert:1985:GFD

- [Los85b] Prof. Dr. Viktor Losert. Gleichverteilung Von Folgen, Die Durch Additive Halbgruppen Definiert Sind. (German) []. *Lecture Notes in Mathematics*, 1114:77–83, 1985. CODEN LNMAA2. ISBN 3-540-15189-3 (print), 3-540-39281-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101647/>.

Letta:1986:PAL

- [LP86] Giorgio Letta and Maurizio Pratelli, editors. *Probability and Analysis: Lectures given at the 1st 1985 Session of the Centro Internazionale Matematico Estivo (C.I.M.E.) held at Varenna (Como), Italy May 31–June 8, 1985*, volume 1206 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16787-0 (print), 3-540-40955-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1206; QA3 .L28 no. 1206 QA273.18. URL <http://link.springer.com/book/10.1007/BFb0076298>; <http://www.springerlink.com/content/978-3-540-40955-7>.

LeBruyn:1987:ELS

- [LP87a] Lieven Le Bruyn and Claudio Procesi. Etale local structure of matrix invariants and concomitants. *Lecture Notes in Mathematics*, 1271:143–175, 1987. CODEN LNMAA2. ISBN 3-540-18234-9 (print), 3-540-47834-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079236/>.

Leinen:1987:ACG

- [LP87b] Felix Leinen and Richard E. Phillips. Algebraically closed groups in locally finite group classes. *Lecture Notes in Mathematics*, 1281:

85–102, 1987. CODEN LNMAA2. ISBN 3-540-18399-X (print), 3-540-47948-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078693/>.

Laudal:1988:AIH

- [LP88a] Olav Arnfinn Laudal and Gerhard Pfister. Applications to isolated hypersurface singularities. *Lecture Notes in Mathematics*, 1310:61–71, 1988. CODEN LNMAA2. ISBN 3-540-19235-2 (print), 3-540-39153-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078944/>.

Laudal:1988:AFM

- [LP88b] Olav Arnfinn Laudal and Gerhard Pfister. Automorphisms of the formal moduli. *Lecture Notes in Mathematics*, 1310:15–31, 1988. CODEN LNMAA2. ISBN 3-540-19235-2 (print), 3-540-39153-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078942/>.

Laudal:1988:GCL

- [LP88c] Olav Arnfinn Laudal and Gerhard Pfister. The generic component of the local moduli suite. *Lecture Notes in Mathematics*, 1310:88–104, 1988. CODEN LNMAA2. ISBN 3-540-19235-2 (print), 3-540-39153-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078946/>.

Laudal:1988:I

- [LP88d] Olav Arnfinn Laudal and Gerhard Pfister. Introduction. *Lecture Notes in Mathematics*, 1310:1–7, 1988. CODEN LNMAA2. ISBN 3-540-19235-2 (print), 3-540-39153-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078940/>.

Laudal:1988:KSM

- [LP88e] Olav Arnfinn Laudal and Gerhard Pfister. The Kodaira–Spencer map and its kernel. *Lecture Notes in Mathematics*, 1310:32–60, 1988. CODEN LNMAA2. ISBN 3-540-19235-2 (print), 3-540-39153-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078943/>.

Laudal:1988:MSX

- [LP88f] Olav Arnfinn Laudal and Gerhard Pfister. The moduli suite of $x_1^5 + x_2^{11}$. *Lecture Notes in Mathematics*, 1310:105–111, 1988. CODEN LNMAA2. ISBN 3-540-19235-2 (print), 3-540-39153-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078947/>.

Laudal:1988:PCS

- [LP88g] Olav Arnfinn Laudal and Gerhard Pfister. Plane curve singularities with k^* -action. *Lecture Notes in Mathematics*, 1310:72–87, 1988. CODEN LNMAA2. ISBN 3-540-19235-2 (print), 3-540-39153-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078945/>.

Laudal:1988:PSF

- [LP88h] Olav Arnfinn Laudal and Gerhard Pfister. The prorepresenting substratum of the formal moduli. *Lecture Notes in Mathematics*, 1310:8–14, 1988. CODEN LNMAA2. ISBN 3-540-19235-2 (print), 3-540-39153-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078941/>.

Lawrynowicz:1985:HPE

- [LR85] Julian Lawrynowicz and Jakub Rembieliński. Hurwitz pairs equipped with complex structures. *Lecture Notes in Mathematics*, 1165:184–195, 1985. CODEN LNMAA2. ISBN 3-540-16050-7 (print), 3-540-39734-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076152/>.

Lopez:1988:RAO

- [LR88a] G. López and E. A. Rakhmanov. Rational approximations, orthogonal polynomials and equilibrium distributions. *Lecture Notes in Mathematics*, 1329:125–157, 1988. CODEN LNMAA2. ISBN 3-540-19489-4 (print), 3-540-39295-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083356/>.

Lorch:1988:SCH

- [LR88b] Lee Lorch and Dennis Russell. On some contributions of Hász to the Turán power-sum theory. *Lecture Notes in Mathematics*, 1354:169–177, 1988. CODEN LNMAA2. ISBN 3-540-50443-5

(print), 3-540-46005-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089594/>.

Luck:1988:ST

- [LR88c] W. Lück and A. Ranicki. Surgery transfer. *Lecture Notes in Mathematics*, 1361:167–246, 1988. CODEN LNMAA2. ISBN 3-540-50528-8 (print), 3-540-46036-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083036/>.

Lee:1989:SMM

- [LR89a] Kyung Bai Lee and Frank Raymond. Seifert manifolds modelled on principal bundles. *Lecture Notes in Mathematics*, 1375:207–215, 1989. CODEN LNMAA2. ISBN 3-540-51218-7 (print), 3-540-46178-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085611/>.

Levin:1989:NDT

- [LR89b] V. L. Levin and S. T. Rachev. New duality theorems for marginal problems with some applications in stochastics. *Lecture Notes in Mathematics*, 1412:137–171, 1989. CODEN LNMAA2. ISBN 3-540-51948-3 (print), 3-540-46863-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084171/>.

Liedl:1985:ITF

- [LRT85] Roman Liedl, Ludwig Reich, and György Targonski, editors. *Iteration Theory and its Functional Equations: Proceedings of the International Symposium held at Schloss Hofen (Lochau), Austria Sept. 28–Oct. 1, 1984*, volume 1163 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-16067-1 (print), 3-540-39749-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1163. URL <http://link.springer.com/book/10.1007/BFb0076410>; <http://www.springerlink.com/content/978-3-540-39749-6>.

Lascoux:1985:INP

- [LS85a] A. Lascoux and M.-P. Schützenberger. Interpolation de Newton à plusieurs variables. (French) []. *Lecture Notes in Mathematics*, 1146:161–175, 1985. CODEN LNMAA2. ISBN 3-540-15686-0

(print), 3-540-39628-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074538/>.

LePage:1985:SRL

- [LS85b] Raoul LePage and Bertram M. Schreiber. A square root law for diffusing particles. *Lecture Notes in Mathematics*, 1153:323–328, 1985. CODEN LNMAA2. ISBN 3-540-15704-2 (print), 3-540-39645-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074958/>.

Lawvere:1986:CCP

- [LS86a] F. William Lawvere and Stephen H. Schanuel, editors. *Categories in Continuum Physics: Lectures given at a Workshop held at SUNY, Buffalo 1982*, volume 1174 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16096-5 (print), 3-540-39760-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1174. URL <http://link.springer.com/book/10.1007/BFb0076928>; <http://www.springerlink.com/content/978-3-540-39760-1>.

Ledrappier:1986:EEB

- [LS86b] F. Ledrappier and J.-M. Strelcyn. The estimation of entropy from below through Lyapunov characteristic exponents. *Lecture Notes in Mathematics*, 1222:157–179, 1986. CODEN LNMAA2. ISBN 3-540-17190-8 (print), 3-540-47349-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099034/>.

Landweber:1987:DRI

- [LS87a] Peter S. Landweber and Robert E. Stong. The depth of rings of invariants over finite fields. *Lecture Notes in Mathematics*, 1240:259–274, 1987. CODEN LNMAA2. ISBN 3-540-17669-1 (print), 3-540-47756-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072984/>.

Lannes:1987:SI

- [LS87b] Jean Lannes and Lionel Schwartz. On the structure of the *mu*-injectives. *Lecture Notes in Mathematics*, 1298:207–214, 1987. CODEN LNMAA2. ISBN 3-540-18729-4 (print), 3-540-48122-2

(e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083011/>.

Levin:1987:SEA

- [LS87c] A. L. Levin and E. B. Saff. Some examples in approximation on the unit disk by reciprocals of polynomials. *Lecture Notes in Mathematics*, 1287:70–82, 1987. CODEN LNMAA2. ISBN 3-540-18500-3 (print), 3-540-47991-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078898/>.

Shen:1987:BCY

- [LS87d] Chun li Shen. C^k -bound of curvatures in Yang–Mills theory. *Lecture Notes in Mathematics*, 1255:88–95, 1987. CODEN LNMAA2. ISBN 3-540-17849-X (print), 3-540-47883-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077684/>.

Lindenstrauss:1987:RBD

- [LS87e] Joram Lindenstrauss and Andrzej Szankowski. The relation between the distance and the weak distance for spaces with a symmetric basis. *Lecture Notes in Mathematics*, 1267:21–38, 1987. CODEN LNMAA2. ISBN 3-540-18103-2 (print), 3-540-47771-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078134/>.

Lubinsky:1987:SAE

- [LS87f] D. S. Lubinsky and E. B. Saff. Strong asymptotics for L_p extremal polynomials ($1 < p \leq \infty$) associated with weights on $[-1, 1]$. *Lecture Notes in Mathematics*, 1287:83–104, 1987. CODEN LNMAA2. ISBN 3-540-18500-3 (print), 3-540-47991-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078899/>.

Lacomba:1988:BTK

- [LS88a] Ernesto A. Lacomba and Guillermo Sienna. Blow up techniques in the Kepler problem. *Lecture Notes in Mathematics*, 1345:177–191, 1988. CODEN LNMAA2. ISBN 3-540-50226-2 (print), 3-540-45957-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081402/>.

Laurence:1988:SRR

- [LS88b] Peter Laurence and Edward Stredulinsky. A survey of recent regularity results for second order queer differential equations. *Lecture Notes in Mathematics*, 1340:146–159, 1988. CODEN LNMAA2. ISBN 3-540-50119-3 (print), 3-540-45932-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082893/>.

Lubinsky:1988:ACWa

- [LS88c] Doron S. Lubinsky and Edward B. Saff. Approximation by certain weighted polynomials, I. *Lecture Notes in Mathematics*, 1305:80–90, 1988. CODEN LNMAA2. ISBN 3-540-18958-0 (print), 3-540-38857-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082424/>.

Lubinsky:1988:ACWb

- [LS88d] Doron S. Lubinsky and Edward B. Saff. Approximation by certain weighted polynomials, II. *Lecture Notes in Mathematics*, 1305:91–110, 1988. CODEN LNMAA2. ISBN 3-540-18958-0 (print), 3-540-38857-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082425/>.

Lubinsky:1988:BFB

- [LS88e] Doron S. Lubinsky and Edward B. Saff. Bernstein’s formula and Bernstein extremal polynomials. *Lecture Notes in Mathematics*, 1305:111–119, 1988. CODEN LNMAA2. ISBN 3-540-18958-0 (print), 3-540-38857-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082426/>.

Lubinsky:1988:COP

- [LS88f] Doron S. Lubinsky and Edward B. Saff. The case $p = 2$: Orthonormal polynomials. *Lecture Notes in Mathematics*, 1305:136–145, 1988. CODEN LNMAA2. ISBN 3-540-18958-0 (print), 3-540-38857-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082429/>.

Lubinsky:1988:FP

- [LS88g] Doron S. Lubinsky and Edward B. Saff. Further properties of $U_{n,R}(x)$. *Lecture Notes in Mathematics*, 1305:67–72, 1988. CO-

DEN LNMAA2. ISBN 3-540-18958-0 (print), 3-540-38857-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082422/>.

Lubinsky:1988:IFR

- [LS88h] Doron S. Lubinsky and Edward B. Saff. Infinite-finite range inequalities and their sharpness. *Lecture Notes in Mathematics*, 1305:49–56, 1988. CODEN LNMAA2. ISBN 3-540-18958-0 (print), 3-540-38857-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082420/>.

Lubinsky:1988:IE

- [LS88i] Doron S. Lubinsky and Edward B. Saff. Integral equations. *Lecture Notes in Mathematics*, 1305:28–39, 1988. CODEN LNMAA2. ISBN 3-540-18958-0 (print), 3-540-38857-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082418/>.

Lubinsky:1988:I

- [LS88j] Doron S. Lubinsky and Edward B. Saff. Introduction. *Lecture Notes in Mathematics*, 1305:1–11, 1988. CODEN LNMAA2. ISBN 3-540-18958-0 (print), 3-540-38857-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082414/>.

Lubinsky:1988:LZE

- [LS88k] Doron S. Lubinsky and Edward B. Saff. The largest zeros of extremal polynomials. *Lecture Notes in Mathematics*, 1305:57–66, 1988. CODEN LNMAA2. ISBN 3-540-18958-0 (print), 3-540-38857-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082421/>.

Lubinsky:1988:TRA

- [LS88l] Doron S. Lubinsky and Edward B. Saff. N th root asymptotics for extremal polynomials. *Lecture Notes in Mathematics*, 1305:73–79, 1988. CODEN LNMAA2. ISBN 3-540-18958-0 (print), 3-540-38857-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082423/>.

Lubinsky:1988:NIN

- [LS88m] Doron S. Lubinsky and Edward B. Saff. Notation and index of notation. *Lecture Notes in Mathematics*, 1305:12–16, 1988. CODEN LNMAA2. ISBN 3-540-18958-0 (print), 3-540-38857-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082415/>.

Lubinsky:1988:PAP

- [LS88n] Doron S. Lubinsky and Edward B. Saff. Polynomial approximation of potentials. *Lecture Notes in Mathematics*, 1305:40–48, 1988. CODEN LNMAA2. ISBN 3-540-18958-0 (print), 3-540-38857-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082419/>.

Lubinsky:1988:PA

- [LS88o] Doron S. Lubinsky and Edward B. Saff. Proof of the asymptotics for $E_{np}(W)$. *Lecture Notes in Mathematics*, 1305:120–127, 1988. CODEN LNMAA2. ISBN 3-540-18958-0 (print), 3-540-38857-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082427/>.

Lubinsky:1988:PAE

- [LS88p] Doron S. Lubinsky and Edward B. Saff. Proof of the asymptotics for the L_p extremal polynomials. *Lecture Notes in Mathematics*, 1305:128–135, 1988. CODEN LNMAA2. ISBN 3-540-18958-0 (print), 3-540-38857-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082428/>.

Lubinsky:1988:SMR

- [LS88q] Doron S. Lubinsky and Edward B. Saff. Statement of main results. *Lecture Notes in Mathematics*, 1305:17–23, 1988. CODEN LNMAA2. ISBN 3-540-18958-0 (print), 3-540-38857-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082416/>.

Lubinsky:1988:WPZ

- [LS88r] Doron S. Lubinsky and Edward B. Saff. Weighted polynomials and zeros of extremal polynomials. *Lecture Notes in Mathematics*, 1305:24–27, 1988. CODEN LNMAA2. ISBN 3-540-18958-0 (print), 3-540-38857-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082417/>.

Shen:1989:HMR

- [IS89] Chun li Shen. On the holomorphic maps from Riemann surfaces to Grassmannians. *Lecture Notes in Mathematics*, 1369: 225–234, 1989. CODEN LNMAA2. ISBN 3-540-51037-0 (print), 3-540-46137-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087536/>.

Louveau:1988:SBW

- [LSR88] Alain Louveau and Jean Saint-Raymond. The strength of Borel Wadge determinacy. *Lecture Notes in Mathematics*, 1333:1–30, 1988. CODEN LNMAA2. ISBN 3-540-50020-0 (print), 3-540-45896-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084967/>.

Laurent-Thiebaut:1985:RVF

- [LT85] Christine Laurent-Thiébaud. Régularisation sur une variété. (French) []. *Lecture Notes in Mathematics*, 1165:150–183, 1985. CODEN LNMAA2. ISBN 3-540-16050-7 (print), 3-540-39734-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076151/>.

Laurent-Thiebaut:1987:TBM

- [LT87] Christine Laurent-Thiébaud. Transformation de Bochner–Martinelli dans une variété de Stein. (French) []. *Lecture Notes in Mathematics*, 1295:96–131, 1987. CODEN LNMAA2. ISBN 3-540-18691-3 (print), 3-540-48084-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081979/>.

Lippert:1988:RSF

- [LT88] D. Lippert and W. Thomas. Relativized star-free expressions, first-order logic, and a concatenation game. *Lecture Notes in Mathematics*, 1320:194–204, 1988. CODEN LNMAA2. ISBN 3-540-19347-2 (print), 3-540-39225-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083433/>.

Li:1989:CIL

- [LT89] Bang-He Li and Zizhou Tang. Codimension 1 and 2 immersions of lens spaces. *Lecture Notes in Mathematics*, 1369:152–163, 1989.

CODEN LNMAA2. ISBN 3-540-51037-0 (print), 3-540-46137-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087531/>.

Lubinsky:1985:EEF

- [Lub85] D. S. Lubinsky. Even entire functions absolutely monotone in $[0, \infty)$ and weights on the whole real line. *Lecture Notes in Mathematics*, 1171:221–229, 1985. CODEN LNMAA2. ISBN 3-540-16059-0 (print), 3-540-39743-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076547/>.

Luck:1988:ED

- [Lüc88] Wolfgang Lück. The equivariant degree. *Lecture Notes in Mathematics*, 1361:123–166, 1988. CODEN LNMAA2. ISBN 3-540-50528-8 (print), 3-540-46036-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083035/>.

Luck:1989:MG

- [Lüc89a] Wolfgang Lück. $R\Gamma$ -modules and geometry. *Lecture Notes in Mathematics*, 1408:305–412, 1989. CODEN LNMAA2. ISBN 3-540-51846-0 (print), 3-540-46827-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083684/>.

Luck:1989:ADI

- [Lüc89b] Wolfgang Lück. Algebraically defined invariants. *Lecture Notes in Mathematics*, 1408:156–304, 1989. CODEN LNMAA2. ISBN 3-540-51846-0 (print), 3-540-46827-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083683/>.

Luck:1989:BM

- [Lüc89c] Wolfgang Lück. Back matter. *Lecture Notes in Mathematics*, 1408:??, 1989. CODEN LNMAA2. ISBN 3-540-51846-0 (print), 3-540-46827-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-540-46827-1/1.pdf>.

Luck:1989:FM

- [Lüc89d] Wolfgang Lück. Front matter. *Lecture Notes in Mathematics*, 1408:??, 1989. CODEN LNMAA2. ISBN 3-540-51846-0 (print),

3-540-46827-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-540-46827-1/1.pdf>.

Luck:1989:GDI

- [Lüc89e] Wolfgang Lück. Geometrically defined invariants. *Lecture Notes in Mathematics*, 1408:1–155, 1989. CODEN LNMAA2. ISBN 3-540-51846-0 (print), 3-540-46827-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083682/>.

Luczak:1989:BSV

- [Luc89f] Andrzej Luczak. Banach space-valued Gleason measures on von Neumann algebras. *Lecture Notes in Mathematics*, 1391:178–190, 1989. CODEN LNMAA2. ISBN 3-540-51548-8 (print), 3-540-48244-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083391/>.

Ludwig:1988:MDI

- [Lud88] Jean Ludwig. Minimal C^* -dense ideals and algebraically irreducible representations of the Schwartz-algebra of a nilpotent Lie group. *Lecture Notes in Mathematics*, 1359:209–217, 1988. CODEN LNMAA2. ISBN 3-540-50524-5 (print), 3-540-46032-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086601/>.

Lumer:1987:PDM

- [Lum87] G. Lumer. Principes du maximum paraboliques pour des domaines (x, t) non-cylindriques. (French) []. *Lecture Notes in Mathematics*, 1235:105–113, 1987. CODEN LNMAA2. ISBN 3-540-17210-6 (print), 3-540-47406-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072751/>.

Lumer:1989:EDD

- [Lum89] G. Lumer. Équations de diffusion dans des domaines (x, t) non-cylindriques et semi-groupes ‘espace-temps’. (French) []. *Lecture Notes in Mathematics*, 1393:161–180, 1989. CODEN LNMAA2. ISBN 3-540-51592-5 (print), 3-540-46675-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085778/>.

Lunardi:1986:RFN

- [Lun86a] Alessandra Lunardi. C^∞ regularity for fully nonlinear abstract evolution equations. *Lecture Notes in Mathematics*, 1223:176–185, 1986. CODEN LNMAA2. ISBN 3-540-17191-6 (print), 3-540-47350-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099192/>.

Lundberg:1986:LIQ

- [Lun86b] Lars-Erik Lundberg. Lorentz invariant quantum theory. *Lecture Notes in Mathematics*, 1218:167–178, 1986. CODEN LNMAA2. ISBN 3-540-16826-5 (print), 3-540-47119-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073049/>.

Lusztig:1987:FTS

- [Lus87] George Lusztig. Fourier transforms on a semisimple Lie algebra over F_q . *Lecture Notes in Mathematics*, 1271:177–188, 1987. CODEN LNMAA2. ISBN 3-540-18234-9 (print), 3-540-47834-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079237/>.

Lodkin:1985:AAA

- [LV85] A. A. Lodkin and A. M. Vershik. Approximation for actions of amenable groups and transversal automorphisms. *Lecture Notes in Mathematics*, 1132:331–346, 1985. CODEN LNMAA2. ISBN 3-540-15643-7 (print), 3-540-39514-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074893/>.

LeBruyn:1986:ED

- [LV86a] Lieven Le Bruyn and Michel Van den Bergh. An explicit description of $\Pi_{3,2}$. *Lecture Notes in Mathematics*, 1197:109–113, 1986. CODEN LNMAA2. ISBN 3-540-16496-0 (print), 3-540-39833-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076317/>.

Leroux:1986:CRS

- [LV86b] Pierre Leroux and Gérard X. Viennot. Combinatorial resolution of systems of differential equations, I. Ordinary differential equations. *Lecture Notes in Mathematics*, 1234:210–245, 1986. CODEN LNMAA2. ISBN 3-540-17207-6 (print), 3-540-47402-1 (e-book).

ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072518/>.

Li:1989:SFR

- [LV89] Huishi Li and Freddy Van Oystaeyen. Strongly filtered rings applied to Gabber's integrability theorem and modules with regular singularities. *Lecture Notes in Mathematics*, 1404:296–321, 1989. CODEN LNMAA2. ISBN 3-540-51812-6 (print), 3-540-46814-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084081/>.

Lee:1988:CSM

- [LW88] Ronnie Lee and Steven H. Weintraub. On certain Siegel modular varieties of genus two and levels above two. *Lecture Notes in Mathematics*, 1361:29–52, 1988. CODEN LNMAA2. ISBN 3-540-50528-8 (print), 3-540-46036-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083033/>.

Lee:1989:SMV

- [LW89] Ronnie Lee and Steven H. Weintraub. The Siegel modular variety of degree two and level four: a report. *Lecture Notes in Mathematics*, 1399:89–102, 1989. CODEN LNMAA2. ISBN 3-540-51729-4 (print), 3-540-46791-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0095970/>.

Li:1989:TON

- [LX89] Bang-He Li and Tao Xu. On third order nondegenerate immersions and maps of S^1 in R^2 . *Lecture Notes in Mathematics*, 1369:164–175, 1989. CODEN LNMAA2. ISBN 3-540-51037-0 (print), 3-540-46137-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087532/>.

Yu:1987:IPD

- [LY87] Yan lin Yu. On the infinitesimal parallel displacement. *Lecture Notes in Mathematics*, 1255:221–227, 1987. CODEN LNMAA2. ISBN 3-540-17849-X (print), 3-540-47883-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077693/>.

Lychagin:1986:TAG

- [Lyc86] V. V. Lychagin. Topological aspects of geometrical theory of differential equations. *Lecture Notes in Mathematics*, 1214:101–116, 1986. CODEN LNMAA2. ISBN 3-540-16821-4 (print), 3-540-47084-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075961/>.

Lafferty:1989:CAL

- [LYZ89] John D. Lafferty, Yanlin Yu, and Weiping Zhang. Clifford asymptotics and the local Lefschetz index. *Lecture Notes in Mathematics*, 1411:137–142, 1989. CODEN LNMAA2. ISBN 3-540-51932-7 (print), 3-540-46862-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086448/>.

Ma:1989:CSC

- [Ma89] Zhisheng Ma. Complete surfaces in H^3 with a constant principal curvature. *Lecture Notes in Mathematics*, 1369:176–182, 1989. CODEN LNMAA2. ISBN 3-540-51037-0 (print), 3-540-46137-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087533/>.

Maagli:1987:RIP

- [Maa87] Habib Maagli. Représentation intégrale des potentiels. (French) []. *Lecture Notes in Mathematics*, 1235:114–119, 1987. CODEN LNMAA2. ISBN 3-540-17210-6 (print), 3-540-47406-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072752/>.

Maagli:1989:PSS

- [Maa89] H. Maagli. Perturbation et subordination des semi-groupes. (French) []. *Lecture Notes in Mathematics*, 1393:181–195, 1989. CODEN LNMAA2. ISBN 3-540-51592-5 (print), 3-540-46675-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085779/>.

Macdonald:1987:CDO

- [Mac87] I. G. Macdonald. Commuting differential operators and zonal spherical functions. *Lecture Notes in Mathematics*, 1271:189–200, 1987. CODEN LNMAA2. ISBN 3-540-18234-9 (print), 3-540-47834-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (elec-

tronic). URL <http://link.springer.com/chapter/10.1007/BFb0079238/>.

MacLane:1988:DSK

- [Mac88a] Saunders Mac Lane. Decker's sharper Künneth formula. *Lecture Notes in Mathematics*, 1348:242–256, 1988. CODEN LNMAA2. ISBN 3-540-50362-5 (print), 3-540-45985-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081363/>.

Mackey:1988:IRA

- [Mac88b] George W. Mackey. Induced representations and the applications of harmonic analysis. *Lecture Notes in Mathematics*, 1359:16–51, 1988. CODEN LNMAA2. ISBN 3-540-50524-5 (print), 3-540-46032-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086586/>.

Maddux:1985:FIR

- [Mad85] Roger Maddux. Finite integral relation algebras. *Lecture Notes in Mathematics*, 1149:175–197, 1985. CODEN LNMAA2. ISBN 3-540-15691-7 (print), 3-540-39638-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098465/>.

Madrecki:1989:LBP

- [Mad89] Andrzej Madrecki. On the p -Lévy–Baxter property and its applications. *Lecture Notes in Mathematics*, 1391:191–199, 1989. CODEN LNMAA2. ISBN 3-540-51548-8 (print), 3-540-48244-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083392/>.

Maejima:1987:SLT

- [Mae87] Makoto Maejima. Some limit theorems for summability methods of I.I.D. random variables. *Lecture Notes in Mathematics*, 1233:57–68, 1987. CODEN LNMAA2. ISBN 3-540-17204-1 (print), 3-540-47394-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072711/>.

Magnusson:1986:SPP

- [Mag86] Jón Magnússon. Singularités polaires et points de Weierstrass en codimension plus grande que un. (French) []. *Lecture Notes*

in Mathematics, 1188:260–301, 1986. CODEN LNMAA2. ISBN 3-540-16460-X (print), 3-540-39797-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076827/>.

Magnus:1988:AAW

- [Mag88] Alphonse P. Magnus. Associated Askey–Wilson polynomials as Laguerre–Hahn orthogonal polynomials. *Lecture Notes in Mathematics*, 1329:261–278, 1988. CODEN LNMAA2. ISBN 3-540-19489-4 (print), 3-540-39295-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083366/>.

Mahowald:1987:TCS

- [Mah87] Mark Mahowald. Thom complexes and the spectra Bo and Bu . *Lecture Notes in Mathematics*, 1286:293–297, 1987. CODEN LNMAA2. ISBN 3-540-18481-3 (print), 3-540-47986-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078747/>.

Maire:1988:NSC

- [Mai88] H.-M. Maire. Necessary and sufficient condition for maximal hypoellipticity of ∂_b . *Lecture Notes in Mathematics*, 1324:178–185, 1988. CODEN LNMAA2. ISBN 3-540-50111-8 (print), 3-540-45928-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100791/>.

Makkai:1985:UCL

- [Mak85] M. Makkai. Ultraproducts and categorical logic. *Lecture Notes in Mathematics*, 1130:222–309, 1985. CODEN LNMAA2. ISBN 3-540-15236-9 (print), 3-540-39414-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075314/>.

Makovoz:1988:ANC

- [Mak88] Yuly Makovoz. On approximation numbers of the canonical embedding $\ell_p^m \rightarrow \ell_q^m$. *Lecture Notes in Mathematics*, 1332:145–149, 1988. CODEN LNMAA2. ISBN 3-540-50018-9 (print), 3-540-45892-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081616/>.

Malinovsky:1985:LTN

- [Mal85a] V. K. Malinovsky. On limit theorems for the number of Markov renewals. *Lecture Notes in Mathematics*, 1155:190–222, 1985. CODEN LNMAA2. ISBN 3-540-15985-1 (print), 3-540-39686-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074820/>.

Malitz:1985:PTF

- [Mal85b] Jerome I. Malitz. Problems in taxonomy, a floating log. *Lecture Notes in Mathematics*, 1130:310–316, 1985. CODEN LNMAA2. ISBN 3-540-15236-9 (print), 3-540-39414-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075315/>.

Malliavin:1985:SAP

- [Mal85c] Marie-Paule Malliavin, editor. *Séminaire d'Algèbre Paul Dubreil et Marie-Paule Malliavin: Proceedings, Paris 1983–1984 (36ème Année)*. (French) [], volume 1146 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15686-0 (print), 3-540-39628-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1146. URL <http://link.springer.com/book/10.1007/BFb0074534>; <http://www.springerlink.com/content/978-3-540-39628-4>.

Malliavin:1986:IPP

- [Mal86a] Marie-Paule Malliavin. Ideaux premiers purement codimensionnels d'algèbres enveloppantes. (French) []. *Lecture Notes in Mathematics*, 1197:127–133, 1986. CODEN LNMAA2. ISBN 3-540-16496-0 (print), 3-540-39833-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076320/>.

Malliavin:1986:SAP

- [Mal86b] Marie-Paule Malliavin, editor. *Séminaire d'Algèbre Paul Dubreil et Marie-Paule Malliavin: Proceedings, Paris 1985 (37ème Année)*. (French) [], volume 1220 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-17185-1 (print), 3-540-47255-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1220. URL <http://link.springer.com/book/10.1007/BFb0099500>; <http://www.springerlink.com/content/978-3-540-47255-1>.

Malliavin:1988:AHO

- [Mal88] M.-P. Malliavin. Algèbre homologique et opérateurs différentiels. (French) []. *Lecture Notes in Mathematics*, 1328:173–186, 1988. CODEN LNMAA2. ISBN 3-540-19474-6 (print), 3-540-39278-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100924/>.

Manin:1985:NDG

- [Man85] Yu. I. Manin. New dimensions in geometry. *Lecture Notes in Mathematics*, 1111:59–101, 1985. CODEN LNMAA2. ISBN 3-540-15195-8 (print), 3-540-39298-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084585/>. See commentary [Ati85a].

Mandel:1986:MIA

- [Man86a] Jan Mandel. On multigrid and iterative aggregation methods for nonsymmetric problems. *Lecture Notes in Mathematics*, 1228:219–231, 1986. CODEN LNMAA2. ISBN 3-540-17198-3 (print), 3-540-47372-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072649/>.

Mangasarian:1986:SAP

- [Man86b] O. L. Mangasarian. Some applications of penalty functions in mathematical programming. *Lecture Notes in Mathematics*, 1190:307–329, 1986. CODEN LNMAA2. ISBN 3-540-16476-6 (print), 3-540-39817-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076712/>.

Mane:1988:HDI

- [Mañ88] Ricardo Mañé. The Hausdorff dimension of invariant probabilities of rational maps. *Lecture Notes in Mathematics*, 1331:86–117, 1988. CODEN LNMAA2. ISBN 3-540-50016-2 (print), 3-540-45889-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083068/>.

Maroni:1985:QED

- [Mar85] Pascal Maroni. Sur quelques espaces de distributions qui sont des formes linéaires sur l'espace vectoriel des polynômes. (French) []. *Lecture Notes in Mathematics*, 1171:184–194, 1985. CODEN

LNMAA2. ISBN 3-540-16059-0 (print), 3-540-39743-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076543/>.

Marciniak:1986:CHI

- [Mar86a] Zbigniew Marciniak. Cyclic homology and idempotents in group rings. *Lecture Notes in Mathematics*, 1217:253–257, 1986. CODEN LNMAA2. ISBN 3-540-16824-9 (print), 3-540-47097-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072827/>.

Martensen:1986:RMN

- [Mar86b] F. Martensen. The Rothe method for nonlinear hyperbolic problems. *Lecture Notes in Mathematics*, 1192:387–392, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076098/>.

Maruyama:1986:SRS

- [Mar86c] Masaki Maruyama. Stable rationality of some moduli spaces of vector bundles on P^2 . *Lecture Notes in Mathematics*, 1194:80–89, 1986. CODEN LNMAA2. ISBN 3-540-16490-1 (print), 3-540-39829-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076996/>.

Martin:1987:AST

- [Mar87] Robert H. Martin, Jr. Applications of semigroup theory to reaction-diffusion systems. *Lecture Notes in Mathematics*, 1248:108–126, 1987. CODEN LNMAA2. ISBN 3-540-17741-8 (print), 3-540-47791-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077420/>.

Marcati:1988:NQH

- [Mar88a] Pierangelo Marcati. Nonhomogeneous quasilinear hyperbolic systems: Initial and boundary value problem. *Lecture Notes in Mathematics*, 1340:193–200, 1988. CODEN LNMAA2. ISBN 3-540-50119-3 (print), 3-540-45932-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082896/>.

Margulis:1988:LGE

- [Mar88b] G. A. Margulis. Lie groups and ergodic theory. *Lecture Notes in Mathematics*, 1352:130–146, 1988. CODEN LNMAA2. ISBN 3-540-50371-4 (print), 3-540-45994-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082022/>.

Maroni:1988:CFL

- [Mar88c] Pascal Maroni. Le calcul des formes linéaires et les polynômes orthogonaux semi-classiques. (French) []. *Lecture Notes in Mathematics*, 1329:279–290, 1988. CODEN LNMAA2. ISBN 3-540-19489-4 (print), 3-540-39295-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083367/>.

Markus:1989:MCE

- [Már89a] L. Márkus. The mean’s consistent estimation, in the case random processes, satisfying partial differential equations. *Lecture Notes in Mathematics*, 1412:183–193, 1989. CODEN LNMAA2. ISBN 3-540-51948-3 (print), 3-540-46863-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084173/>.

Martens:1989:CS

- [Mar89b] G. Martens. On curves on $K3$ surfaces. *Lecture Notes in Mathematics*, 1389:174–182, 1989. CODEN LNMAA2. ISBN 3-540-51509-7 (print), 3-540-48188-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085931/>.

Martin:1989:ABS

- [Mar89c] Robert H. Martin, Jr. Asymptotic behavior of solutions to quasi-monotone parabolic systems. *Lecture Notes in Mathematics*, 1394:96–116, 1989. CODEN LNMAA2. ISBN 3-540-51594-1 (print), 3-540-46679-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086755/>.

Masque:1985:ACP

- [Mas85] Jaime Muñoz Masqué. An axiomatic characterization of the Poincaré–Cartan form for second order variational problems. *Lecture Notes in Mathematics*, 1139:74–84, 1985. CODEN LNMAA2. ISBN 3-540-15666-6 (print), 3-540-39585-7 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074577/>.

Massart:1986:RCC

- [Mas86a] Pascal Massart. Rates of convergence in the central limit theorem for empirical processes. *Lecture Notes in Mathematics*, 1193: 73–109, 1986. CODEN LNMAA2. ISBN 3-540-16487-1 (print), 3-540-39826-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077101/>.

Masuda:1986:STS

- [Mas86b] Mikiya Masuda. \mathbf{Z}_2 surgery theory and smooth involutions on homotopy complex projective spaces. *Lecture Notes in Mathematics*, 1217:258–289, 1986. CODEN LNMAA2. ISBN 3-540-16824-9 (print), 3-540-47097-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072828/>.

Masser:1987:SVH

- [Mas87] D. W. Masser. Small values of heights on families of Abelian varieties. *Lecture Notes in Mathematics*, 1290:109–148, 1987. CODEN LNMAA2. ISBN 3-540-18597-6 (print), 3-540-48023-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078706/>.

Mascolo:1988:ERN

- [Mas88a] Elvira Mascolo. Existence results for non convex problems of the calculus of variations. *Lecture Notes in Mathematics*, 1340:201–207, 1988. CODEN LNMAA2. ISBN 3-540-50119-3 (print), 3-540-45932-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082897/>.

Mason:1988:MNM

- [Mas88b] J. C. Mason. The L_p minimality and near-minimality of orthogonal polynomial approximation and integration methods. *Lecture Notes in Mathematics*, 1329:291–299, 1988. CODEN LNMAA2. ISBN 3-540-19489-4 (print), 3-540-39295-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083368/>.

Masuda:1989:PFC

- [Mas89] Mikiya Masuda. A product formula for connected sum. *Lecture Notes in Mathematics*, 1375:231–239, 1989. CODEN LNMAA2. ISBN 3-540-51218-7 (print), 3-540-46178-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085613/>.

Matkowski:1985:CFE

- [Mat85] Janusz Matkowski. Cauchy functional equation on a restricted domain and commuting functions. *Lecture Notes in Mathematics*, 1163:101–106, 1985. CODEN LNMAA2. ISBN 3-540-16067-1 (print), 3-540-39749-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076422/>.

Mathiak:1986:PHS

- [Mat86a] Karl Mathiak. Projective Hjelmslev spaces. *Lecture Notes in Mathematics*, 1175:75–93, 1986. CODEN LNMAA2. ISBN 3-540-16099-X (print), 3-540-39764-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074657/>.

Mathiak:1986:VTA

- [Mat86b] Karl Mathiak. Valuation topologies and the approximation theorem. *Lecture Notes in Mathematics*, 1175:30–50, 1986. CODEN LNMAA2. ISBN 3-540-16099-X (print), 3-540-39764-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074655/>.

Mathiak:1986:VF

- [Mat86c] Karl Mathiak. Valuations of fields. *Lecture Notes in Mathematics*, 1175:1–29, 1986. CODEN LNMAA2. ISBN 3-540-16099-X (print), 3-540-39764-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074654/>.

Mathiak:1986:VSF

- [Mat86d] Karl Mathiak. *Valuations of Skew Fields and Projective Hjelmslev Spaces*, volume 1175 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16099-X (print), 3-540-39764-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (elec-

tronic). viii + 116 pp. LCCN QA3 .L28 no. 1175. URL <http://link.springer.com/book/10.1007/BFb0074653>; <http://www.springerlink.com/content/978-3-540-39764-9>.

Mathiak:1986:VVS

- [Mat86e] Karl Mathiak. Valued vector spaces. *Lecture Notes in Mathematics*, 1175:51–74, 1986. CODEN LNMAA2. ISBN 3-540-16099-X (print), 3-540-39764-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074656/>.

Matzat:1987:UGG

- [Mat87a] Bernd Heinrich Matzat. Das Umkehrproblem der Galoistheorie. (German) []. *Lecture Notes in Mathematics*, 1284:1–7, 1987. CODEN LNMAA2. ISBN 3-540-18444-9 (print), 3-540-47978-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098325/>.

Matzat:1987:EHG

- [Mat87b] Bernd Heinrich Matzat. Einbettungsprobleme Über Hilbertkörpern. (German) []. *Lecture Notes in Mathematics*, 1284:215–268, 1987. CODEN LNMAA2. ISBN 3-540-18444-9 (print), 3-540-47978-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098329/>.

Matzat:1987:FGF

- [Mat87c] Bernd Heinrich Matzat. Fundamentalgruppen. (German) [Fundamental groups]. *Lecture Notes in Mathematics*, 1284:9–55, 1987. CODEN LNMAA2. ISBN 3-540-18444-9 (print), 3-540-47978-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098326/>.

Matzat:1987:KEG

- [Mat87d] Bernd Heinrich Matzat. Klassenzahlen von Erzeugendensystemen. (German) []. *Lecture Notes in Mathematics*, 1284:57–129, 1987. CODEN LNMAA2. ISBN 3-540-18444-9 (print), 3-540-47978-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098327/>.

Matzat:1987:TAG

- [Mat87e] Bernd Heinrich Matzat. Topologische Automorphismen. (German) [Topological automorphisms]. *Lecture Notes in Mathematics*, 1284:131–214, 1987. CODEN LNMAA2. ISBN 3-540-18444-9

(print), 3-540-47978-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098328/>.

Matet:1989:CSS

- [Mat89a] Pierre Matet. Concerning stationary subsets of $[\lambda]^{<\kappa}$. *Lecture Notes in Mathematics*, 1401:119–127, 1989. CODEN LNMAA2. ISBN 3-540-51730-8 (print), 3-540-46795-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097335/>.

Matsuoka:1989:NPO

- [Mat89b] Takashi Matsuoka. The number of periodic orbits of smooth maps. *Lecture Notes in Mathematics*, 1411:148–154, 1989. CODEN LNMAA2. ISBN 3-540-51932-7 (print), 3-540-46862-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086450/>.

Mawhin:1986:CPT

- [Maw86] J. Mawhin. Critical point theory and nonlinear differential equations. *Lecture Notes in Mathematics*, 1192:49–58, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076051/>.

Mawanda:1988:CAZ

- [Maw88] M.-M. Mawanda. On a categorical analysis of Zadeh generalized subsets of sets I. *Lecture Notes in Mathematics*, 1348:257–269, 1988. CODEN LNMAA2. ISBN 3-540-50362-5 (print), 3-540-45985-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081364/>.

May:1986:EPR

- [May86a] J. P. May. Extended powers and H_∞ ring spectra. *Lecture Notes in Mathematics*, 1176:1–20, 1986. CODEN LNMAA2. ISBN 3-540-16434-0 (print), 3-540-39778-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075406/>.

May:1986:MAS

- [May86b] J. P. May. Miscellaneous applications in stable homotopy theory. *Lecture Notes in Mathematics*, 1176:21–55, 1986. CODEN

LNMAA2. ISBN 3-540-16434-0 (print), 3-540-39778-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075407/>.

May:1986:PPI

[May86c] J. P. May. Preamble: a polemical introduction to the stable category. *Lecture Notes in Mathematics*, 1213:1–5, 1986. CODEN LNMAA2. ISBN 3-540-16820-6 (print), 3-540-47077-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075779/>.

May:1986:RDS

[May86d] J. P. May. A remark on duality and the Segal conjecture. *Lecture Notes in Mathematics*, 1217:303–305, 1986. CODEN LNMAA2. ISBN 3-540-16824-9 (print), 3-540-47097-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072830/>.

Mazya:1986:BIE

[Maz86] V. G. Maz'ya. Boundary integral equations of elasticity in domains with piecewise smooth boundaries. *Lecture Notes in Mathematics*, 1192:235–242, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076075/>.

Moussa:1985:SAP

[MB85] Pierre Moussa and Daniel Bessis. A solvable almost periodic Schrödinger operator. *Lecture Notes in Mathematics*, 1109:136–147, 1985. CODEN LNMAA2. ISBN 3-540-13914-1 (print), 3-540-39138-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101541/>.

McCrea:1987:PGT

[Mc 87] J. Dermott Mc Crea. Poincaré gauge theory of gravitation: Foundations, exact solutions and computer algebra. *Lecture Notes in Mathematics*, 1251:222–237, 1987. CODEN LNMAA2. ISBN 3-540-17816-3 (print), 3-540-47854-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077323/>.

Mas-Colell:1988:FLD

- [MC88] Andreu Mas-Colell. Four lectures on the differentiable approach to general equilibrium theory. *Lecture Notes in Mathematics*, 1330: 19–43, 1988. CODEN LNMAA2. ISBN 3-540-50003-0 (print), 3-540-45883-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078157/>.

Marques:1989:AST

- [MC89] Mauro Marques and Stamatis Cambanis. Admissible and singular translates of stable processes. *Lecture Notes in Mathematics*, 1391:239–257, 1989. CODEN LNMAA2. ISBN 3-540-51548-8 (print), 3-540-48244-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083394/>.

McCleary:1985:CGS

- [McC85a] John McCleary. Closed geodesics on Stiefel manifolds. *Lecture Notes in Mathematics*, 1172:157–162, 1985. CODEN LNMAA2. ISBN 3-540-16061-2 (print), 3-540-39745-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074429/>.

McConnell:1985:TFR

- [McC85b] J. C. McConnell. The K -theory of filtered rings and skew Laurent extensions. *Lecture Notes in Mathematics*, 1146:288–298, 1985. CODEN LNMAA2. ISBN 3-540-15686-0 (print), 3-540-39628-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074542/>.

McConnell:1985:SLR

- [McC85c] Terry R. McConnell. A Skorohod-like representation in infinite dimensions. *Lecture Notes in Mathematics*, 1153:359–368, 1985. CODEN LNMAA2. ISBN 3-540-15704-2 (print), 3-540-39645-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074960/>.

McCulloh:1985:SIM

- [McC85d] Leon R. McCulloh. Stickelberger ideals, monoid rings, and Galois module structure. *Lecture Notes in Mathematics*, 1142:190–204, 1985. CODEN LNMAA2. ISBN 3-540-15674-7 (print), 3-540-39601-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (elec-

tronic). URL <http://link.springer.com/chapter/10.1007/BFb0074801/>.

McClure:1986:E

- [McC86a] J. E. McClure. The mod p k -theory of QX . *Lecture Notes in Mathematics*, 1176:291–377, 1986. CODEN LNMAA2. ISBN 3-540-16434-0 (print), 3-540-39778-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075414/>.

McClure:1986:RSS

- [McC86b] J. E. McClure. H_∞ ring spectra via space-level homotopy theory. *Lecture Notes in Mathematics*, 1176:215–248, 1986. CODEN LNMAA2. ISBN 3-540-16434-0 (print), 3-540-39778-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075412/>.

McClure:1986:POR

- [McC86c] J. E. McClure. Power operations in H_∞^d ring theories. *Lecture Notes in Mathematics*, 1176:249–290, 1986. CODEN LNMAA2. ISBN 3-540-16434-0 (print), 3-540-39778-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075413/>.

McCabe:1989:CFA

- [McC89] John H. McCabe. On continued fractions associated with polynomial type Padé approximants, with an application. *Lecture Notes in Mathematics*, 1406:67–75, 1989. CODEN LNMAA2. ISBN 3-540-51830-4 (print), 3-540-46820-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0096166/>.

McFadden:1988:ATP

- [McF88] R. B. McFadden. Automated theorem proving applied to the theory of semigroups. *Lecture Notes in Mathematics*, 1320:235–243, 1988. CODEN LNMAA2. ISBN 3-540-19347-2 (print), 3-540-39225-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083436/>.

McGill:1988:ERB

- [McG88a] Paul McGill. Excursions from random boundaries. *Lecture Notes in Mathematics*, 1325:156–161, 1988. CODEN LNMAA2. ISBN

3-540-50015-4 (print), 3-540-45887-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077924/>.

McGregor:1988:SIE

- [McG88b] Malcolm T. McGregor. A solution of the integral equation $\int_0^\infty (\sin(\frac{\pi}{4} + \theta)e^{-\theta y} + \sin(\frac{\pi}{4} - \theta)e^{\theta y})\pi(x, y) dy = \sqrt{2}\cosh\theta x$ in convolution form and a problem in diffusion theory. *Lecture Notes in Mathematics*, 1325:162–166, 1988. CODEN LNMAA2. ISBN 3-540-50015-4 (print), 3-540-45887-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077925/>.

McNulty:1985:HCF

- [McN85] George F. McNulty. How to construct finite algebras which are not finitely based. *Lecture Notes in Mathematics*, 1149:167–174, 1985. CODEN LNMAA2. ISBN 3-540-15691-7 (print), 3-540-39638-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098464/>.

Miret:1989:GCC

- [MD89] J. M. Miret and S. Xambó Descamps. Geometry of complete cuspidal plane cubics. *Lecture Notes in Mathematics*, 1389:195–234, 1989. CODEN LNMAA2. ISBN 3-540-51509-7 (print), 3-540-48188-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085933/>.

Mdzinarishvili:1987:EH

- [Mdz87] L. D. Mdzinarishvili. On exact homology. *Lecture Notes in Mathematics*, 1283:164–182, 1987. CODEN LNMAA2. ISBN 3-540-18443-0 (print), 3-540-47975-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081426/>.

Mehring:1985:CIR

- [Meh85] Günther H. Mehring. On a criterion of iteration in rings of formal power series. *Lecture Notes in Mathematics*, 1163:107–114, 1985. CODEN LNMAA2. ISBN 3-540-16067-1 (print), 3-540-39749-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076423/>.

Meister:1986:SSU

- [Mei86a] E. Meister. Some solved and unsolved canonical problems of diffraction theory. *Lecture Notes in Mathematics*, 1192:393–398, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076099/>.

Meixner:1986:CCS

- [Mei86b] Th. Meixner. Constructions of chamber systems of type M with transitive automorphism group. *Lecture Notes in Mathematics*, 1181:207–217, 1986. CODEN LNMAA2. ISBN 3-540-16466-9 (print), 3-540-39801-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075516/>.

Mei:1987:IFP

- [Mei87] Xiang-Ming Mei. The integral formula of Pontrjagin characteristic forms. *Lecture Notes in Mathematics*, 1255:73–79, 1987. CODEN LNMAA2. ISBN 3-540-17849-X (print), 3-540-47883-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077682/>.

Meier:1988:ABS

- [Mei88] Michael Meier. Asymptotic behavior of solutions of some quasi-linear elliptic systems in exterior domains. *Lecture Notes in Mathematics*, 1357:297–316, 1988. CODEN LNMAA2. ISBN 3-540-50508-3 (print), 3-540-46024-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082872/>.

Melamed:1989:LTS

- [Mel89] J. A. Melamed. Limit theorems in the set up of summation of a random number of independent identically distributed random variables. *Lecture Notes in Mathematics*, 1412:194–228, 1989. CODEN LNMAA2. ISBN 3-540-51948-3 (print), 3-540-46863-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084174/>.

Menal:1988:CMR

- [Men88a] Pere Menal. Cancellation modules over regular rings. *Lecture Notes in Mathematics*, 1328:187–208, 1988. CODEN LNMAA2. ISBN 3-540-19474-6 (print), 3-540-39278-5 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100925/>.

Menzala:1988:RIS

- [Men88b] Gustavo Perla Menzala. On the resonances and the inverse scattering problem for perturbed wave equations. *Lecture Notes in Mathematics*, 1324:236–244, 1988. CODEN LNMAA2. ISBN 3-540-50111-8 (print), 3-540-45928-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100795/>.

Mennicke:1989:FGS

- [Men89] Jens L. Mennicke. On Fibonacci groups and some other groups. *Lecture Notes in Mathematics*, 1398:117–123, 1989. CODEN LNMAA2. ISBN 3-540-51695-6 (print), 3-540-46756-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086248/>.

Merklen:1986:AAW

- [Mer86] Héctor A. Merklen. Artin algebras which are equivalent to a hereditary algebra modulo preprojectives. *Lecture Notes in Mathematics*, 1177:232–255, 1986. CODEN LNMAA2. ISBN 3-540-16432-4 (print), 3-540-39776-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075267/>.

Meschiari:1985:CRC

- [Mes85] Mauro Meschiari. A classification of real and complex finite dimensional J^* -algebras. *Lecture Notes in Mathematics*, 1164:1–84, 1985. CODEN LNMAA2. ISBN 3-540-16048-5 (print), 3-540-39732-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081910/>.

Metzger:1985:P

- [Met85] Thomas A. Metzger. On the (F) property. *Lecture Notes in Mathematics*, 1166:95–98, 1985. CODEN LNMAA2. ISBN 3-540-16051-5 (print), 3-540-39736-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074698/>.

Metivier:1986:SAA

- [Mét86] Michel Métivier. On stochastic algorithms in adaptive filtering. *Lecture Notes in Mathematics*, 1203:134–156, 1986. CODEN

LNMAA2. ISBN 3-540-16773-0 (print), 3-540-39852-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076879/>.

Metivier:1987:WCM

- [Mét87] Michel Métivier. Weak convergence of measure valued processes using Sobolev-embedding techniques. *Lecture Notes in Mathematics*, 1236:172–183, 1987. CODEN LNMAA2. ISBN 3-540-17211-4 (print), 3-540-47408-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072889/>.

Metivier:1989:OCO

- [Mét89] G. Métivier. Ondes de choc, ondes de raréfaction et ondes soniques multidimensionnelles. (French) []. *Lecture Notes in Mathematics*, 1402:203–215, 1989. CODEN LNMAA2. ISBN 3-540-51746-4 (print), 3-540-46800-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083877/>.

Meyer:1985:TLP

- [Mey85a] P.-A. Meyer. Sur la théorie de Littlewood–Paley–Stein (d’après Coifman–Rochberg–Weiss et Cowling). (French) []. *Lecture Notes in Mathematics*, 1123:113–129, 1985. CODEN LNMAA2. ISBN 3-540-15230-X (print), 3-540-39397-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075842/>.

Meyer:1985:RTF

- [Mey85b] P.-A. Meyer. Une remarque sur la topologie fine. (French) []. *Lecture Notes in Mathematics*, 1123:176, 1985. CODEN LNMAA2. ISBN 3-540-15230-X (print), 3-540-39397-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075846/>.

Meyer:1986:EPQ

- [Mey86a] P.-A. Meyer. Éléments de probabilités quantiques. (French) []. *Lecture Notes in Mathematics*, 1204:186–312, 1986. CODEN LNMAA2. ISBN 3-540-16779-X (print), 3-540-39860-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075719/>.

Meyer:1986:QRA

- [Mey86b] P.-A. Meyer. Quelques remarques au sujet du calcul stochastique sur l'espace de Fock. (French) []. *Lecture Notes in Mathematics*, 1204:321–330, 1986. CODEN LNMAA2. ISBN 3-540-16779-X (print), 3-540-39860-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075722/>.

Meyer:1986:EOC

- [Mey86c] P.-A. Meyer. Sur l'existence de l'opérateur carré du champ. (French) []. *Lecture Notes in Mathematics*, 1204:30–33, 1986. CODEN LNMAA2. ISBN 3-540-16779-X (print), 3-540-39860-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075708/>.

Meyer:1987:EPQ

- [Mey87a] P.-A. Meyer. Éléments de probabilités quantiques. (French) []. *Lecture Notes in Mathematics*, 1247:33–80, 1987. CODEN LNMAA2. ISBN 3-540-17768-X (print), 3-540-47814-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077627/>.

Meyer:1987:FSP

- [Mey87b] P.-A. Meyer. Fock space and probability theory. *Lecture Notes in Mathematics*, 1250:160–170, 1987. CODEN LNMAA2. ISBN 3-540-17797-3 (print), 3-540-47835-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077356/>.

Meyer:1988:NSC

- [Mey88a] P.-A. Meyer. A note on shifts and cocycles. *Lecture Notes in Mathematics*, 1303:209–212, 1988. CODEN LNMAA2. ISBN 3-540-18919-X (print), 3-540-38846-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078064/>.

Meyer:1988:QHA

- [Mey88b] P.-A. Meyer. Quasimartingales hilbertiennes d'après Enchev. (French) []. *Lecture Notes in Mathematics*, 1321:86–88, 1988. CODEN LNMAA2. ISBN 3-540-19351-0 (print), 3-540-39228-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084122/>.

Meyer:1988:TBR

- [Mey88c] P.-A. Meyer. Sur un théorème de B. Rajeev. (French) []. *Lecture Notes in Mathematics*, 1321:141–143, 1988. CODEN LNMAA2. ISBN 3-540-19351-0 (print), 3-540-39228-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084129/>.

Meyer:1988:SLM

- [Mey88d] P.-A. Meyer. Une surmartingale limitée de martingales continues. (French) []. *Lecture Notes in Mathematics*, 1321:138–140, 1988. CODEN LNMAA2. ISBN 3-540-19351-0 (print), 3-540-39228-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084128/>.

Meyer:1988:RCW

- [Mey88e] Paul-André Meyer. Une remarque sur les chaos de Wiener. (French) []. *Lecture Notes in Mathematics*, 1322:151–155, 1988. CODEN LNMAA2. ISBN 3-540-19352-9 (print), 3-540-39232-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077873/>.

Meyer:1989:CSE

- [Mey89a] P.-A. Meyer. Construction de solutions d’“équations de structure”. (French) []. *Lecture Notes in Mathematics*, 1372:142–145, 1989. CODEN LNMAA2. ISBN 3-540-51191-1 (print), 3-540-46176-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083965/>.

Meyer:1989:EPQa

- [Mey89b] P.-A. Meyer. Éléments de probabilités quantiques. X. (French) []. *Lecture Notes in Mathematics*, 1372:175–182, 1989. CODEN LNMAA2. ISBN 3-540-51191-1 (print), 3-540-46176-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083971/>.

Meyer:1989:EPQb

- [Mey89c] P.-A. Meyer. Éléments de probabilités quantiques XI. (French) []. *Lecture Notes in Mathematics*, 1372:183–185, 1989. CODEN LNMAA2. ISBN 3-540-51191-1 (print), 3-540-46176-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083972/>.

Meyer:1989:ESM

- [Mey89d] P.-A. Meyer. Équations de structure des martingales et probabilités quantiques. (French) []. *Lecture Notes in Mathematics*, 1372:139–141, 1989. CODEN LNMAA2. ISBN 3-540-51191-1 (print), 3-540-46176-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083964/>.

Meyer:1989:CRC

- [Mey89e] P.-A. Meyer. Un cas de représentation chaotique discrète. (French) []. *Lecture Notes in Mathematics*, 1372:146, 1989. CODEN LNMAA2. ISBN 3-540-51191-1 (print), 3-540-46176-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083966>.

Meziani:1986:PSC

- [Mez86] A. Meziani. Perturbations de structures C.R.. (French) []. *Lecture Notes in Mathematics*, 1198:191–195, 1986. CODEN LNMAA2. ISBN 3-540-16762-5 (print), 3-540-38729-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077053/>.

Mingarelli:1988:LVO

- [MH88a] Angelo B. Mingarelli and S. Gotskalk Halvorsen. Linear vector ordinary differential equations. *Lecture Notes in Mathematics*, 1338:49–78, 1988. CODEN LNMAA2. ISBN 3-540-50078-2 (print), 3-540-45918-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080639/>.

Mingarelli:1988:NOD

- [MH88b] Angelo B. Mingarelli and S. Gotskalk Halvorsen. Non-oscillation domains of differential equations with two parameters. *Lecture Notes in Mathematics*, 1338:i, 1988. CODEN LNMAA2. ISBN 3-540-50078-2 (print), 3-540-45918-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0120479>.

Mingarelli:1988:SLO

- [MH88c] Angelo B. Mingarelli and S. Gotskalk Halvorsen. Scalar linear ordinary differential equations. *Lecture Notes in Mathematics*, 1338:

1–48, 1988. CODEN LNMAA2. ISBN 3-540-50078-2 (print), 3-540-45918-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080638/>.

Mingarelli:1988:SVS

- [MH88d] Angelo B. Mingarelli and S. Gotskalk Halvorsen. Scalar Volterra–Stieltjes integral equations. *Lecture Notes in Mathematics*, 1338: 79–100, 1988. CODEN LNMAA2. ISBN 3-540-50078-2 (print), 3-540-45918-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080640/>.

Mhaskar:1987:SDT

- [Mha87] H. N. Mhaskar. Some discrepancy theorems. *Lecture Notes in Mathematics*, 1287:117–131, 1987. CODEN LNMAA2. ISBN 3-540-18500-3 (print), 3-540-47991-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078901/>.

Michler:1986:BCC

- [Mic86] Gerhard O. Michler. Brauer’s conjectures and the classification of finite simple groups. *Lecture Notes in Mathematics*, 1178:129–142, 1986. CODEN LNMAA2. ISBN 3-540-16433-2 (print), 3-540-39777-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075293/>.

Michor:1989:FM

- [Mic89a] Peter W. Michor. Front matter. *Lecture Notes in Mathematics*, 1411:??, 1989. CODEN LNMAA2. ISBN 3-540-51932-7 (print), 3-540-46862-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-540-46862-2/1.pdf>.

Michor:1989:GDA

- [Mic89b] Peter W. Michor. Graded derivations of the algebra of differential forms associated with a connection. *Lecture Notes in Mathematics*, 1410:249–261, 1989. CODEN LNMAA2. ISBN 3-540-51885-1 (print), 3-540-46858-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086427/>.

Milgram:1985:CSE

- [Mil85a] R. James Milgram. The Cappell–Shaneson example. *Lecture Notes in Mathematics*, 1126:159–165, 1985. CODEN LNMAA2. ISBN 3-540-15235-0 (print), 3-540-39413-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074442/>.

Milgram:1985:ESF

- [Mil85b] R. James Milgram. Evaluating the Swan finiteness obstruction for periodic groups. *Lecture Notes in Mathematics*, 1126:127–158, 1985. CODEN LNMAA2. ISBN 3-540-15235-0 (print), 3-540-39413-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074441/>.

Millett:1985:TSF

- [Mil85c] Kenneth Millett. Transversality for surfaces in foliated 3-manifolds. *Lecture Notes in Mathematics*, 1144:115–133, 1985. CODEN LNMAA2. ISBN 3-540-15680-1 (print), 3-540-39616-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075015/>.

Milman:1985:RSP

- [Mil85d] V. D. Milman. Random subspaces of proportional dimension of finite dimensional normed spaces: Approach through the isoperimetric inequality. *Lecture Notes in Mathematics*, 1166:106–115, 1985. CODEN LNMAA2. ISBN 3-540-16051-5 (print), 3-540-39736-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074700/>.

Milman:1985:VAI

- [Mil85e] V. D. Milman. Volume approach and iteration procedures in local theory of normed spaces. *Lecture Notes in Mathematics*, 1166:99–105, 1985. CODEN LNMAA2. ISBN 3-540-16051-5 (print), 3-540-39736-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074699/>.

Milman:1987:DMI

- [Mil87a] V. D. Milman. Diameter of a minimal invariant subset of equivariant Lipschitz actions on compact subsets of \mathbf{R}^k . *Lecture Notes*

in Mathematics, 1267:13–20, 1987. CODEN LNMAA2. ISBN 3-540-18103-2 (print), 3-540-47771-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078133/>.

Milman:1987:SRU

- [Mil87b] V. D. Milman. Some remarks on Urysohn’s inequality and volume ratio of cotype 2-spaces. *Lecture Notes in Mathematics*, 1267: 75–81, 1987. CODEN LNMAA2. ISBN 3-540-18103-2 (print), 3-540-47771-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078137/>.

Miletta:1988:ABS

- [Mil88a] Peter Miletta. Asymptotic behavior of solutions to abstract evolution equations. *Lecture Notes in Mathematics*, 1331:118–139, 1988. CODEN LNMAA2. ISBN 3-540-50016-2 (print), 3-540-45889-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083069/>.

Milgram:1988:SRK

- [Mil88b] R. J. Milgram. Some remarks on the Kirby–Siebenmann class. *Lecture Notes in Mathematics*, 1361:247–252, 1988. CODEN LNMAA2. ISBN 3-540-50528-8 (print), 3-540-46036-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083037/>.

Milman:1988:FOC

- [Mil88c] V. D. Milman. A few observations on the connections between local theory and some other fields. *Lecture Notes in Mathematics*, 1317:283–289, 1988. CODEN LNMAA2. ISBN 3-540-19353-7 (print), 3-540-39235-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081748/>.

Milman:1988:ISG

- [Mil88d] V. D. Milman. Isomorphic symmetrization and geometric inequalities. *Lecture Notes in Mathematics*, 1317:107–131, 1988. CODEN LNMAA2. ISBN 3-540-19353-7 (print), 3-540-39235-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081738/>.

Minda:1987:IHM

- [Min87] David Minda. Inequalities for the hyperbolic metric and applications to geometric function theory. *Lecture Notes in Mathematics*, 1275:235–252, 1987. CODEN LNMAA2. ISBN 3-540-18356-6 (print), 3-540-47899-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078356/>.

Mira:1985:RSB

- [Mir85] Christian Mira. Rotation sequences and bifurcations structure of one-dimensional endomorphisms. *Lecture Notes in Mathematics*, 1163:115–124, 1985. CODEN LNMAA2. ISBN 3-540-16067-1 (print), 3-540-39749-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076424/>.

Misiurewicz:1985:CAE

- [Mis85] Michał Misiurewicz. Chaos almost everywhere. *Lecture Notes in Mathematics*, 1163:125–130, 1985. CODEN LNMAA2. ISBN 3-540-16067-1 (print), 3-540-39749-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076425/>.

Mitter:1986:ETS

- [Mit86] S. K. Mitter. Estimation theory and statistical physics. *Lecture Notes in Mathematics*, 1203:157–176, 1986. CODEN LNMAA2. ISBN 3-540-16773-0 (print), 3-540-39852-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076880/>.

Mitchell:1987:BFL

- [Mit87] S. A. Mitchell. The Bott filtration of a loop group. *Lecture Notes in Mathematics*, 1298:215–226, 1987. CODEN LNMAA2. ISBN 3-540-18729-4 (print), 3-540-48122-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083012/>.

Mizohata:1988:CPH

- [Miz88] Sigeru Mizohata. On the Cauchy problem for hyperbolic equations in C^∞ and Gevrey classes. *Lecture Notes in Mathematics*, 1324:197–215, 1988. CODEN LNMAA2. ISBN 3-540-50111-8

(print), 3-540-45928-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100793/>.

Malliavin:1988:IPC

- [MK88] Paul Malliavin and Y. Katznelson. Image des points critiques d'une application régulière. (French) []. *Lecture Notes in Mathematics*, 1322:85–92, 1988. CODEN LNMAA2. ISBN 3-540-19352-9 (print), 3-540-39232-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077868/>.

Marcellan:1985:MRF

- [MM85] F. Marcellán and L. Moral. Minimal recurrence formulas for orthogonal polynomials on Bernoulli's lemniscate. *Lecture Notes in Mathematics*, 1171:211–220, 1985. CODEN LNMAA2. ISBN 3-540-16059-0 (print), 3-540-39743-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076546/>.

Mazziotto:1986:PLS

- [MM86] G. Mazziotto and A. Millet. Points, lignes et systèmes d'arrêt flous et problème d'arrêt optimal. (French) []. *Lecture Notes in Mathematics*, 1204:81–94, 1986. CODEN LNMAA2. ISBN 3-540-16779-X (print), 3-540-39860-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075714/>.

Maslov:1986:MED

- [MMA86] V. P. Maslov, P. P. Mosolov, and M. M. Antsiferova. Model equation for dynamics of phase translation. *Lecture Notes in Mathematics*, 1214:231–248, 1986. CODEN LNMAA2. ISBN 3-540-16821-4 (print), 3-540-47084-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075968/>.

Meise:1987:SSD

- [MMT87] Reinhold Meise, Siegfried Momm, and B. Alan Taylor. Splitting of slowly decreasing ideals in weighted algebras of entire functions. *Lecture Notes in Mathematics*, 1276:229–252, 1987. CODEN LNMAA2. ISBN 3-540-18357-4 (print), 3-540-47904-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078961/>.

Mate:1988:FSO

- [MN88a] Attila Máté and Paul Nevai. Factorization of second order difference equations and its application to orthogonal polynomials. *Lecture Notes in Mathematics*, 1329:158–177, 1988. CODEN LNMAA2. ISBN 3-540-19489-4 (print), 3-540-39295-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083357/>.

McCoy:1988:CF

- [MN88b] Robert A. McCoy and Ibula Ntantu. Cardinal functions. *Lecture Notes in Mathematics*, 1315:51–73, 1988. CODEN LNMAA2. ISBN 3-540-19302-2 (print), 3-540-39181-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098394/>.

McCoy:1988:COP

- [MN88c] Robert A. McCoy and Ibula Ntantu. Completeness and other properties. *Lecture Notes in Mathematics*, 1315:74–105, 1988. CODEN LNMAA2. ISBN 3-540-19302-2 (print), 3-540-39181-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098395/>.

McCoy:1988:CCS

- [MN88d] Robert A. McCoy and Ibula Ntantu. Convergence and compact subsets. *Lecture Notes in Mathematics*, 1315:39–50, 1988. CODEN LNMAA2. ISBN 3-540-19302-2 (print), 3-540-39181-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098393/>.

McCoy:1988:FST

- [MN88e] Robert A. McCoy and Ibula Ntantu. Function space topologies. *Lecture Notes in Mathematics*, 1315:3–14, 1988. CODEN LNMAA2. ISBN 3-540-19302-2 (print), 3-540-39181-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098391/>.

McCoy:1988:I

- [MN88f] Robert A. McCoy and Ibula Ntantu. Introduction. *Lecture Notes in Mathematics*, 1315:1, 1988. CODEN LNMAA2. ISBN 3-540-19302-2 (print), 3-540-39181-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098390/>.

McCoy:1988:NF

- [MN88g] Robert A. McCoy and Ibula Ntantu. Natural functions. *Lecture Notes in Mathematics*, 1315:15–38, 1988. CODEN LNMAA2. ISBN 3-540-19302-2 (print), 3-540-39181-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098392/>.

Madlener:1988:GHF

- [MO88] Klaus Madlener and Friedrich Otto. On groups having finite monadic Church–Rosser presentations. *Lecture Notes in Mathematics*, 1320:218–234, 1988. CODEN LNMAA2. ISBN 3-540-19347-2 (print), 3-540-39225-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083435/>.

Modica:1986:SHE

- [Mod86] L. Modica. Stochastic homogenization and ergodic theory. *Lecture Notes in Mathematics*, 1190:359–370, 1986. CODEN LNMAA2. ISBN 3-540-16476-6 (print), 3-540-39817-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076714/>.

Modugno:1987:SVV

- [Mod87] Marco Modugno. Systems of vector valued forms on a fibred manifold and applications to gauge theories. *Lecture Notes in Mathematics*, 1251:238–264, 1987. CODEN LNMAA2. ISBN 3-540-17816-3 (print), 3-540-47854-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077324/>.

Mohres:1987:TFN

- [Möh87] Walter Möhres. Torsion-free nilpotent groups with bounded ranks of the Abelian subgroups. *Lecture Notes in Mathematics*, 1281:115–117, 1987. CODEN LNMAA2. ISBN 3-540-18399-X (print), 3-540-47948-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078696/>.

Mok:1986:CKM

- [Mok86] Ngaiming Mok. Compact Kähler manifolds of nonnegative holomorphic bisectional curvature. *Lecture Notes in Mathematics*, 1194:90–103, 1986. CODEN LNMAA2. ISBN 3-540-16490-1

(print), 3-540-39829-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076997/>.

Montejano:1987:GCL

- [Mon87] Luis Montejano. Geometric category and Lusternik–Schnirelmann category. *Lecture Notes in Mathematics*, 1283:183–192, 1987. CODEN LNMAA2. ISBN 3-540-18443-0 (print), 3-540-47975-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081427/>.

Moroz:1986:AAAb

- [Mor86a] B. Z. Moroz. *Analytic Arithmetic in Algebraic Number Fields*, volume 1205 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16784-6 (print), 3-540-39996-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). viii + 177 pp. LCCN QA3 .L28 no. 1205. URL <http://link.springer.com/book/10.1007/BFb0076403>; <http://www.springerlink.com/content/978-3-540-39996-4>.

Moroz:1986:AAAa

- [Mor86b] B. Z. Moroz. Analytical arithmetic in algebraic number fields. *Lecture Notes in Mathematics*, 1205:e1–e3, 1986. CODEN LNMAA2. ISBN 3-540-16784-6 (print), 3-540-39996-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0120465/>.

Moroz:1986:CB

- [Mor86c] B. Z. Moroz. Classical background. *Lecture Notes in Mathematics*, 1205:1–77, 1986. CODEN LNMAA2. ISBN 3-540-16784-6 (print), 3-540-39996-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076404/>.

Moroz:1986:IEN

- [Mor86d] B. Z. Moroz. Ideals with equal norms and integral points on non-form varieties. *Lecture Notes in Mathematics*, 1205:141–167, 1986. CODEN LNMAA2. ISBN 3-540-16784-6 (print), 3-540-39996-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076406/>.

Moroz:1986:RC

- [Mor86e] B. Z. Moroz. Remarks and comments. *Lecture Notes in Mathematics*, 1205:168–170, 1986. CODEN LNMAA2. ISBN 3-540-16784-6 (print), 3-540-39996-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076407/>.

Moroz:1986:SPF

- [Mor86f] B. Z. Moroz. Scalar product of L -functions. *Lecture Notes in Mathematics*, 1205:78–140, 1986. CODEN LNMAA2. ISBN 3-540-16784-6 (print), 3-540-39996-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076405/>.

Morava:1988:SWG

- [Mor88] Jack Morava. Some Weil group representations motivated by algebraic topology. *Lecture Notes in Mathematics*, 1326:94–106, 1988. CODEN LNMAA2. ISBN 3-540-19490-8 (print), 3-540-39300-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078040/>.

Morgan:1989:GES

- [Mor89] Jeff Morgan. Global existence for semilinear parabolic systems via Lyapunov type methods. *Lecture Notes in Mathematics*, 1394:117–121, 1989. CODEN LNMAA2. ISBN 3-540-51594-1 (print), 3-540-46679-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086756/>.

Mosco:1985:SSO

- [Mos85] U. Mosco. On some stochastic optimal impulse control problems. *Lecture Notes in Mathematics*, 1119:139–151, 1985. CODEN LNMAA2. ISBN 3-540-15217-2 (print), 3-540-39365-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074784/>.

Mosco:1988:WCV

- [Mos88] Umberto Mosco. Wiener criteria and variational convergences. *Lecture Notes in Mathematics*, 1340:208–238, 1988. CODEN LNMAA2. ISBN 3-540-50119-3 (print), 3-540-45932-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082898/>.

Moser:1989:MFT

- [Mos89] Jürgen Moser. Minimal foliations on a torus. *Lecture Notes in Mathematics*, 1365:62–99, 1989. CODEN LNMAA2. ISBN 3-540-50727-2 (print), 3-540-46075-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089178/>.

Moussaoui:1985:ASD

- [Mou85] M.-A. Moussaoui. Sur l'approximation des solutions du problème de Dirichlet dans un ouvert avec coins. (French) []. *Lecture Notes in Mathematics*, 1121:199–206, 1985. CODEN LNMAA2. ISBN 3-540-15219-9 (print), 3-540-39377-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076272/>.

Moussu:1988:DAA

- [Mou88] R. Moussu. Développement asymptotique de l'application retour d'un polycycle. (French) []. *Lecture Notes in Mathematics*, 1331:140–149, 1988. CODEN LNMAA2. ISBN 3-540-50016-2 (print), 3-540-45889-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083070/>.

Marcus:1985:SPS

- [MP85] Michael B. Marcus and Gilles Pisier. Stochastic processes with sample paths in exponential Orlicz spaces. *Lecture Notes in Mathematics*, 1153:329–358, 1985. CODEN LNMAA2. ISBN 3-540-15704-2 (print), 3-540-39645-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074959/>.

Marino:1986:GGN

- [MP86] V. Marino and A. Pràstaro. On a geometric generalization of the Noether theorem. *Lecture Notes in Mathematics*, 1209:222–234, 1986. CODEN LNMAA2. ISBN 3-540-16801-X (print), 3-540-44844-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076634/>.

Milani:1988:DTT

- [MP88] A. Milani and R. Picard. Decomposition theorems and their application to non-linear electro- and magneto-static boundary value

problems. *Lecture Notes in Mathematics*, 1357:317–340, 1988. CODEN LNMAA2. ISBN 3-540-50508-3 (print), 3-540-46024-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082873/>.

Meyer:1989:SI

[MP89a] Mathieu Meyer and Alain Pajor. On Santaló's inequality. *Lecture Notes in Mathematics*, 1376:261–263, 1989. CODEN LNMAA2. ISBN 3-540-51303-5 (print), 3-540-46189-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0090059/>.

Milman:1989:IPI

[MP89b] V. D. Milman and A. Pajor. Isotropic position and inertia ellipsoids and zonoids of the unit ball of a normed n -dimensional space. *Lecture Notes in Mathematics*, 1376:64–104, 1989. CODEN LNMAA2. ISBN 3-540-51303-5 (print), 3-540-46189-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0090049/>.

Micali:1986:GEC

[MPS86] Artibano Micali, Antonio Paques, and Andrzej Solecki. Sur le groupe des extensions cubiques. (French) []. *Lecture Notes in Mathematics*, 1197:134–148, 1986. CODEN LNMAA2. ISBN 3-540-16496-0 (print), 3-540-39833-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076321/>.

Mallet-Paret:1987:PSA

[MPS87] John Mallet-Paret and George R. Sell. The principle of spatial averaging and inertial manifolds for reaction-diffusion equations. *Lecture Notes in Mathematics*, 1248:94–107, 1987. CODEN LNMAA2. ISBN 3-540-17741-8 (print), 3-540-47791-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077419/>.

Mason:1985:BEM

[MPST85] J. C. Mason, A. P. Parker, R. N. L. Smith, and R. M. Thompson. Boundary element methods for singularity problems in fracture mechanics. *Lecture Notes in Mathematics*, 1121:181–198, 1985. CODEN LNMAA2. ISBN 3-540-15219-9 (print), 3-540-39377-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076271/>.

Madsen:1985:SLL

- [MR85a] Ib Madsen and Martin Raussen. Smooth and locally linear g homotopy representations. *Lecture Notes in Mathematics*, 1172: 130–156, 1985. CODEN LNMAA2. ISBN 3-540-16061-2 (print), 3-540-39745-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074428/>.

Menaldi:1985:SCP

- [MR85b] José-Luis Menaldi and Maurice Robin. Some control problems of degenerate diffusions with unbounded cost. *Lecture Notes in Mathematics*, 1119:113–138, 1985. CODEN LNMAA2. ISBN 3-540-15217-2 (print), 3-540-39365-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074783/>.

Micchelli:1985:LOR

- [MR85c] C. A. Micchelli and T. J. Rivlin. Lectures on optimal recovery. *Lecture Notes in Mathematics*, 1129:21–93, 1985. CODEN LNMAA2. ISBN 3-540-15234-2 (print), 3-540-39412-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075157/>.

Min-Oo:1986:CD

- [MR86] Min-Oo Maung and Ernst A. Ruh. Curvature deformations. *Lecture Notes in Mathematics*, 1201:180–190, 1986. CODEN LNMAA2. ISBN 3-540-16770-6 (print), 3-540-38827-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075655/>.

Manevitz:1987:FFU

- [MR87] Larry M. Manevitz and Louis H. Rowen. Freedom via forcing: Uniform construction of relatively free or generic structures. *Lecture Notes in Mathematics*, 1292:230–246, 1987. CODEN LNMAA2. ISBN 3-540-18674-3 (print), 3-540-48049-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082240/>.

Madsen:1989:EPI

- [MR89a] I. Madsen and M. Rothenberg. Equivariant pseudo-isotopies and K_{-1} . *Lecture Notes in Mathematics*, 1375:216–230, 1989. CODEN LNMAA2. ISBN 3-540-51218-7 (print), 3-540-46178-7 (e-book).

ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085612/>.

Metivier:1989:ITP

- [MR89b] Guy Métivier and Jeffrey Rauch. The interaction of two progressing waves. *Lecture Notes in Mathematics*, 1402:216–226, 1989. CODEN LNMAA2. ISBN 3-540-51746-4 (print), 3-540-46800-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083878/>.

Miro-Roig:1989:UAB

- [MR89c] Rosa M. Miró-Roig. Unobstructed arithmetically Buchsbaum curves. *Lecture Notes in Mathematics*, 1389:235–241, 1989. CODEN LNMAA2. ISBN 3-540-51509-7 (print), 3-540-48188-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085934/>.

Meleard:1989:GEC

- [MRC89] Sylvie Méléard and Sylvie Roelly-Coppoletta. A generalized equation for a continuous measure branching process. *Lecture Notes in Mathematics*, 1390:171–185, 1989. CODEN LNMAA2. ISBN 3-540-51510-0 (print), 3-540-48200-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083944/>.

McGill:1988:ELC

- [MRR88] P. McGill, B. Rajeev, and B. V. Rao. Extending Lévy's characterisation of Brownian motion. *Lecture Notes in Mathematics*, 1321:163–165, 1988. CODEN LNMAA2. ISBN 3-540-19351-0 (print), 3-540-39228-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084133/>.

Morgan:1985:ICS

- [MS85] John W. Morgan and Peter B. Shalen. An introduction to compactifying spaces of hyperbolic structures by actions on trees. *Lecture Notes in Mathematics*, 1167:228–240, 1985. CODEN LNMAA2. ISBN 3-540-16053-1 (print), 3-540-39738-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075226/>.

Matumoto:1986:PST

- [MS86a] Takao Matumoto and Masahiro Shiota. Proper subanalytic transformation groups and unique triangulation of the orbit spaces. *Lecture Notes in Mathematics*, 1217:290–302, 1986. CODEN LNMAA2. ISBN 3-540-16824-9 (print), 3-540-47097-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072829/>.

May:1986:HAE

- [MS86b] J. P. May and M. Steinberger. The homological analysis of extended powers. *Lecture Notes in Mathematics*, 1213:384–406, 1986. CODEN LNMAA2. ISBN 3-540-16820-6 (print), 3-540-47077-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075787/>.

Milman:1986:AAL

- [MS86c] Vitali D. Milman and Gideon Schechtman. Additional applications of Lévy families in the theory of finite dimensional normed spaces. *Lecture Notes in Mathematics*, 1200:60–68, 1986. CODEN LNMAA2. ISBN 3-540-16769-2 (print), 3-540-38822-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-540-38822-7_10/.

Milman:1986:AESb

- [MS86d] Vitali D. Milman and Gideon Schechtman. Almost Euclidean subspaces of ℓ_p^n spaces, of general n -dimensional normed spaces, and of quotient of n -dimensional spaces. *Lecture Notes in Mathematics*, 1200:19–26, 1986. CODEN LNMAA2. ISBN 3-540-16769-2 (print), 3-540-38822-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-540-38822-7_5/.

Milman:1986:AESa

- [MS86e] Vitali D. Milman and Gideon Schechtman. Almost Euclidean subspaces of a normed space. *Lecture Notes in Mathematics*, 1200:12–18, 1986. CODEN LNMAA2. ISBN 3-540-16769-2 (print), 3-540-38822-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-540-38822-7_4/.

Milman:1986:ATF

- [MS86f] Vitali D. Milman and Gideon Schechtman. *Asymptotic Theory of Finite Dimensional Normed Spaces*, volume 1200 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16769-2 (print), 3-540-38822-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). viii + 156 pp. LCCN QA3 .L28 no. 1200. URL <http://link.springer.com/book/10.1007/978-3-540-38822-7>; <http://www.springerlink.com/content/978-3-540-38822-7>.

Milman:1986:BM

- [MS86g] Vitali D. Milman and Gideon Schechtman. Back matter. *Lecture Notes in Mathematics*, 1200:114–156, 1986. CODEN LNMAA2. ISBN 3-540-16769-2 (print), 3-540-38822-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-540-38822-7/1.pdf>.

Milman:1986:E

- [MS86h] Vitali D. Milman and Gideon Schechtman. Embedding ℓ_p^m into ℓ_1^n . *Lecture Notes in Mathematics*, 1200:42–50, 1986. CODEN LNMAA2. ISBN 3-540-16769-2 (print), 3-540-38822-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-540-38822-7_8/.

Milman:1986:FDN

- [MS86i] Vitali D. Milman and Gideon Schechtman. Finite dimensional normed spaces, preliminaries. *Lecture Notes in Mathematics*, 1200:9–11, 1986. CODEN LNMAA2. ISBN 3-540-16769-2 (print), 3-540-38822-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-540-38822-7_3/.

Milman:1986:FM

- [MS86j] Vitali D. Milman and Gideon Schechtman. Front matter. *Lecture Notes in Mathematics*, 1200:I–X, 1986. CODEN LNMAA2. ISBN 3-540-16769-2 (print), 3-540-38822-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-540-38822-7/1.pdf>.

Milman:1986:IIS

- [MS86k] Vitali D. Milman and Gideon Schechtman. The isoperimetric inequality on S^{n-1} and some consequences. *Lecture Notes in Math-*

ematics, 1200:5–8, 1986. CODEN LNMAA2. ISBN 3-540-16769-2 (print), 3-540-38822-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-540-38822-7_2/.

Milman:1986:KT

- [MS86l] Vitali D. Milman and Gideon Schechtman. Krivine’s theorem. *Lecture Notes in Mathematics*, 1200:77–84, 1986. CODEN LNMAA2. ISBN 3-540-16769-2 (print), 3-540-38822-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-540-38822-7_12/.

Milman:1986:LF

- [MS86m] Vitali D. Milman and Gideon Schechtman. Lévy families. *Lecture Notes in Mathematics*, 1200:27–32, 1986. CODEN LNMAA2. ISBN 3-540-16769-2 (print), 3-540-38822-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-540-38822-7_6/.

Milman:1986:M

- [MS86n] Vitali D. Milman and Gideon Schechtman. Martingales. *Lecture Notes in Mathematics*, 1200:33–41, 1986. CODEN LNMAA2. ISBN 3-540-16769-2 (print), 3-540-38822-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-540-38822-7_7/.

Milman:1986:MPT

- [MS86o] Vitali D. Milman and Gideon Schechtman. The Maurey–Pisier Theorem. *Lecture Notes in Mathematics*, 1200:85–97, 1986. CODEN LNMAA2. ISBN 3-540-16769-2 (print), 3-540-38822-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-540-38822-7_13/.

Milman:1986:P

- [MS86p] Vitali D. Milman and Gideon Schechtman. Preliminaries. *Lecture Notes in Mathematics*, 1200:1–4, 1986. CODEN LNMAA2. ISBN 3-540-16769-2 (print), 3-540-38822-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-540-38822-7_1/.

Milman:1986:PRE

- [MS86q] Vitali D. Milman and Gideon Schechtman. Projections on random Euclidean subspaces of finite dimensional normed spaces. *Lecture Notes in Mathematics*, 1200:106–113, 1986. CODEN LNMAA2. ISBN 3-540-16769-2 (print), 3-540-38822-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-540-38822-7_15/.

Milman:1986:RP

- [MS86r] Vitali D. Milman and Gideon Schechtman. The Rademacher projection. *Lecture Notes in Mathematics*, 1200:98–105, 1986. CODEN LNMAA2. ISBN 3-540-16769-2 (print), 3-540-38822-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-540-38822-7_14/.

Milman:1986:RTS

- [MS86s] Vitali D. Milman and Gideon Schechtman. Ramsey's theorem with some applications to normed spaces. *Lecture Notes in Mathematics*, 1200:69–76, 1986. CODEN LNMAA2. ISBN 3-540-16769-2 (print), 3-540-38822-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-540-38822-7_11/.

Milman:1986:TCN

- [MS86t] Vitali D. Milman and Gideon Schechtman. Type and cotype of normed spaces, and some simple relations with geometrical properties. *Lecture Notes in Mathematics*, 1200:51–59, 1986. CODEN LNMAA2. ISBN 3-540-16769-2 (print), 3-540-38822-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-540-38822-7_9/.

Morison:1986:OMP

- [MS86u] K. R. Morison and R. W. H. Sargent. Optimization of multi-stage processes described by differential-algebraic equations. *Lecture Notes in Mathematics*, 1230:86–102, 1986. CODEN LNMAA2. ISBN 3-540-17200-9 (print), 3-540-47379-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072673/>.

Meril:1987:CSH

- [MS87a] A. Meril and D. C. Struppa. Convolutors in spaces of holomorphic functions. *Lecture Notes in Mathematics*, 1276:253–275, 1987. CODEN LNMAA2. ISBN 3-540-18357-4 (print), 3-540-47904-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078962/>. See remark [BS87c].

Meril:1987:PHE

- [MS87b] A. M eril and D. C. Struppa. Ph enom ene de Hartogs et  equations de convolution. (French) []. *Lecture Notes in Mathematics*, 1295:146–156, 1987. CODEN LNMAA2. ISBN 3-540-18691-3 (print), 3-540-48084-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081981/>.

Makagon:1989:NID

- [MS89a] A. Makagon and H. Salehi. Notes on infinite dimensional stationary sequences. *Lecture Notes in Mathematics*, 1391:200–238, 1989. CODEN LNMAA2. ISBN 3-540-51548-8 (print), 3-540-48244-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083393/>.

Mezzetti:1989:GHS

- [MS89b] Emilia Mezzetti and Gianni Sacchiero. Gonality and Hilbert schemes of smooth curves. *Lecture Notes in Mathematics*, 1389:183–194, 1989. CODEN LNMAA2. ISBN 3-540-51509-7 (print), 3-540-48188-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085932/>.

Muller:1989:CSV

- [MS89c] Paul F. X. M uller and Gideon Schechtman. On complemented subspaces of H^1 and VMO. *Lecture Notes in Mathematics*, 1376:113–125, 1989. CODEN LNMAA2. ISBN 3-540-51303-5 (print), 3-540-46189-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0090051/>.

Mahowald:1987:CIE

- [MT87] Mark Mahowald and Robert Thompson. A commentary on the “Image of J in the EHP sequence”. *Lecture Notes in Mathematics*, 1286:298–304, 1987. CODEN LNMAA2. ISBN 3-540-18481-3

(print), 3-540-47986-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078748/>.

Milman:1987:STI

- [MTJ87] V. D. Milman and N. Tomczak-Jaegermann. Sudakov type inequalities for convex bodies in \mathbb{R}^n . *Lecture Notes in Mathematics*, 1267:113–121, 1987. CODEN LNMAA2. ISBN 3-540-18103-2 (print), 3-540-47771-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078140/>.

Mui:1985:HOD

- [Mùi85] Huỳnh Mùi. Homology operations derived from modular coinvariants. *Lecture Notes in Mathematics*, 1172:85–115, 1985. CODEN LNMAA2. ISBN 3-540-16061-2 (print), 3-540-39745-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074426/>.

Mukherjea:1989:CPN

- [Muk89] Arunava Mukherjea. Convolution products of non-identical distributions on a compact Abelian semigroup. *Lecture Notes in Mathematics*, 1379:217–241, 1989. CODEN LNMAA2. ISBN 3-540-51401-5 (print), 3-540-46206-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087856/>.

Muldoon:1986:ZSS

- [Mul86] M. E. Muldoon. On the zeros of some special functions: Differential equations and Nicholson-type formulas. *Lecture Notes in Mathematics*, 1192:155–160, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076063/>.

Muller:1987:IGD

- [Mül87a] Werner Müller. The L^2 -index of generalized Dirac operators. *Lecture Notes in Mathematics*, 1244:84–99, 1987. CODEN LNMAA2. ISBN 3-540-17696-9 (print), 3-540-47762-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077670/>.

Muller:1987:CRO

- [Mül87b] Werner Müller. Cusps of rank one. *Lecture Notes in Mathematics*, 1244:5–12, 1987. CODEN LNMAA2. ISBN 3-540-17696-9 (print), 3-540-47762-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077662/>.

Muller:1987:EF

- [Mül87c] Werner Müller. The Eisenstein functions. *Lecture Notes in Mathematics*, 1244:64–73, 1987. CODEN LNMAA2. ISBN 3-540-17696-9 (print), 3-540-47762-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077668/>.

Muller:1987:HEC

- [Mül87d] Werner Müller. The heat equation on the cusp. *Lecture Notes in Mathematics*, 1244:13–21, 1987. CODEN LNMAA2. ISBN 3-540-17696-9 (print), 3-540-47762-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077663/>.

Muller:1987:HK

- [Mül87e] Werner Müller. The heat kernel. *Lecture Notes in Mathematics*, 1244:60–63, 1987. CODEN LNMAA2. ISBN 3-540-17696-9 (print), 3-540-47762-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077667/>.

Muller:1987:HC

- [Mül87f] Werner Müller. The Hirzebruch conjecture. *Lecture Notes in Mathematics*, 1244:139–149, 1987. CODEN LNMAA2. ISBN 3-540-17696-9 (print), 3-540-47762-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077672/>.

Muller:1987:MCRa

- [Mül87g] Werner Müller. Manifolds with cusps of rank one. *Lecture Notes in Mathematics*, 1244:31–45, 1987. CODEN LNMAA2. ISBN 3-540-17696-9 (print), 3-540-47762-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077665/>.

Muller:1987:MCRb

- [Mül87h] Werner Müller. *Manifolds with Cusps of Rank One: Spectral Theory and L^2 -Index Theorem*, volume 1244 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-17696-9 (print), 3-540-47762-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). xii + 158 pp. LCCN QA3 .L28 no. 1244. URL <http://link.springer.com/book/10.1007/BFb0077660>; <http://www.springerlink.com/content/978-3-540-47762-4>.

Muller:1987:NLC

- [Mül87i] Werner Müller. The Neumann Laplacian on the cusp. *Lecture Notes in Mathematics*, 1244:22–30, 1987. CODEN LNMAA2. ISBN 3-540-17696-9 (print), 3-540-47762-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077664/>.

Muller:1987:P

- [Mül87j] Werner Müller. Preliminaries. *Lecture Notes in Mathematics*, 1244:1–4, 1987. CODEN LNMAA2. ISBN 3-540-17696-9 (print), 3-540-47762-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077661/>.

Muller:1987:SRH

- [Mül87k] Werner Müller. The spectral resolution of H . *Lecture Notes in Mathematics*, 1244:46–59, 1987. CODEN LNMAA2. ISBN 3-540-17696-9 (print), 3-540-47762-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077666/>.

Muller:1987:SSF

- [Mül87l] Werner Müller. The spectral shift function. *Lecture Notes in Mathematics*, 1244:74–83, 1987. CODEN LNMAA2. ISBN 3-540-17696-9 (print), 3-540-47762-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077669/>.

Muller:1987:UCI

- [Mül87m] Werner Müller. The unipotent contribution to the index. *Lecture Notes in Mathematics*, 1244:100–138, 1987. CODEN LNMAA2. ISBN 3-540-17696-9 (print), 3-540-47762-4 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077671/>.

Muller:1988:IR

- [Mül88] Werner Müller. L^2 -index and resonances. *Lecture Notes in Mathematics*, 1339:203–211, 1988. CODEN LNMAA2. ISBN 3-540-50113-4 (print), 3-540-45930-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083056/>.

Muller:1989:RET

- [Mül89] Ingo Müller. Relativistic extended thermodynamics II. *Lecture Notes in Mathematics*, 1385:257–268, 1989. CODEN LNMAA2. ISBN 3-540-51466-X (print), 3-540-48142-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084033/>.

Mumford:1988:SR

- [Mum88a] David Mumford. $\text{Spec}(R)$. *Lecture Notes in Mathematics*, 1358:93–108, 1988. CODEN LNMAA2. ISBN 3-540-50497-4 (print), 3-662-21581-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21581-4_11/.

Mumford:1988:CP

- [Mum88b] David Mumford. The category of preschemes. *Lecture Notes in Mathematics*, 1358:108–121, 1988. CODEN LNMAA2. ISBN 3-540-50497-4 (print), 3-662-21581-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21581-4_12/.

Mumford:1988:CS

- [Mum88c] David Mumford. Closed subpreschemes. *Lecture Notes in Mathematics*, 1358:143–155, 1988. CODEN LNMAA2. ISBN 3-540-50497-4 (print), 3-662-21581-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21581-4_15/.

Mumford:1988:CM

- [Mum88d] David Mumford. Coherent modules. *Lecture Notes in Mathematics*, 1358:205–215, 1988. CODEN LNMAA2. ISBN 3-540-50497-4

(print), 3-662-21581-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21581-4_20/.

Mumford:1988:CVa

- [Mum88e] David Mumford. Complete varieties. *Lecture Notes in Mathematics*, 1358:75–80, 1988. CODEN LNMAA2. ISBN 3-540-50497-4 (print), 3-662-21581-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21581-4_9/.

Mumford:1988:CVb

- [Mum88f] David Mumford. Complex varieties. *Lecture Notes in Mathematics*, 1358:80–89, 1988. CODEN LNMAA2. ISBN 3-540-50497-4 (print), 3-662-21581-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21581-4_10/.

Mumford:1988:DM

- [Mum88g] David Mumford. Definition of a morphism: I. *Lecture Notes in Mathematics*, 1358:15–24, 1988. CODEN LNMAA2. ISBN 3-540-50497-4 (print), 3-662-21581-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21581-4_3/.

Mumford:1988:DPM

- [Mum88h] David Mumford. Definition of prevarieties and morphism. *Lecture Notes in Mathematics*, 1358:35–45, 1988. CODEN LNMAA2. ISBN 3-540-50497-4 (print), 3-662-21581-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21581-4_5/.

Mumford:1988:D

- [Mum88i] David Mumford. Dimension. *Lecture Notes in Mathematics*, 1358:56–67, 1988. CODEN LNMAA2. ISBN 3-540-50497-4 (print), 3-662-21581-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21581-4_7/.

Mumford:1988:FMb

- [Mum88j] David Mumford. The fibres of a morphism. *Lecture Notes in Mathematics*, 1358:67–75, 1988. CODEN LNMAA2. ISBN 3-540-50497-4 (print), 3-662-21581-0 (e-book). ISSN 0075-8434 (print), 1617-

9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21581-4_8/.

Mumford:1988:FD

- [Mum88k] David Mumford. Fields of definition. *Lecture Notes in Mathematics*, 1358:131–142, 1988. CODEN LNMAA2. ISBN 3-540-50497-4 (print), 3-662-21581-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21581-4_14/.

Mumford:1988:FMA

- [Mum88l] David Mumford. Front matter. *Lecture Notes in Mathematics*, 1358:1, 1988. CODEN LNMAA2. ISBN 3-540-50497-4 (print), 3-662-21581-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-662-21581-4/1/1.pdf>.

Mumford:1988:FMc

- [Mum88m] David Mumford. Front matter. *Lecture Notes in Mathematics*, 1358:91–92, 1988. CODEN LNMAA2. ISBN 3-540-50497-4 (print), 3-662-21581-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-662-21581-4/2/1.pdf>.

Mumford:1988:FMD

- [Mum88n] David Mumford. Front matter. *Lecture Notes in Mathematics*, 1358:191, 1988. CODEN LNMAA2. ISBN 3-540-50497-4 (print), 3-662-21581-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-662-21581-4/3/1.pdf>.

Mumford:1988:FMe

- [Mum88o] David Mumford. Front matter. *Lecture Notes in Mathematics*, 1358:N2–V, 1988. CODEN LNMAA2. ISBN 3-540-50497-4 (print), 3-662-21581-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-662-21581-4/1.pdf>.

Mumford:1988:FPP

- [Mum88p] David Mumford. The functor of points of a prescheme. *Lecture Notes in Mathematics*, 1358:155–167, 1988. CODEN LNMAA2. ISBN 3-540-50497-4 (print), 3-662-21581-0 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21581-4_16/.

Mumford:1988:IAS

- [Mum88q] David Mumford. Irreducible algebraic sets. *Lecture Notes in Mathematics*, 1358:7–15, 1988. CODEN LNMAA2. ISBN 3-540-50497-4 (print), 3-662-21581-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21581-4_2/.

Mumford:1988:PHA

- [Mum88r] David Mumford. Products and the Hausdorff axiom. *Lecture Notes in Mathematics*, 1358:46–55, 1988. CODEN LNMAA2. ISBN 3-540-50497-4 (print), 3-662-21581-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21581-4_6/.

Mumford:1988:PMF

- [Mum88s] David Mumford. Proper morphisms and finite morphisms. *Lecture Notes in Mathematics*, 1358:168–176, 1988. CODEN LNMAA2. ISBN 3-540-50497-4 (print), 3-662-21581-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21581-4_17/.

Mumford:1988:QCM

- [Mum88t] David Mumford. Quasi-coherent modules. *Lecture Notes in Mathematics*, 1358:193–205, 1988. CODEN LNMAA2. ISBN 3-540-50497-4 (print), 3-662-21581-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21581-4_19/.

Mumford:1988:SAV

- [Mum88u] David Mumford. Sheaves and affine varieties. *Lecture Notes in Mathematics*, 1358:24–35, 1988. CODEN LNMAA2. ISBN 3-540-50497-4 (print), 3-662-21581-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21581-4_4/.

Mumford:1988:SA

- [Mum88v] David Mumford. Some algebra. *Lecture Notes in Mathematics*, 1358:2–7, 1988. CODEN LNMAA2. ISBN 3-540-50497-4

(print), 3-662-21581-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21581-4_1/.

Mumford:1988:S

- [Mum88w] David Mumford. Specialization. *Lecture Notes in Mathematics*, 1358:177–189, 1988. CODEN LNMAA2. ISBN 3-540-50497-4 (print), 3-662-21581-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21581-4_18/.

Mumford:1988:VP

- [Mum88x] David Mumford. Varieties are preschemes. *Lecture Notes in Mathematics*, 1358:121–131, 1988. CODEN LNMAA2. ISBN 3-540-50497-4 (print), 3-662-21581-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21581-4_13/.

Murasugi:1985:HL

- [Mur85a] Kunio Murasugi. 2-heights of links. *Lecture Notes in Mathematics*, 1144:134–137, 1985. CODEN LNMAA2. ISBN 3-540-15680-1 (print), 3-540-39616-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075016/>.

Murre:1985:AAT

- [Mur85b] J. P. Murre. Applications of algebraic K -theory to the theory of algebraic cycles. *Lecture Notes in Mathematics*, 1124:216–261, 1985. CODEN LNMAA2. ISBN 3-540-15232-6 (print), 3-540-39643-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075002/>.

Murty:1985:FCM

- [Mur85c] V. Kumar Murty. Fourier coefficients of modular forms. *Lecture Notes in Mathematics*, 1122:163–172, 1985. CODEN LNMAA2. ISBN 3-540-15222-9 (print), 3-540-39642-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075760/>.

Muramatu:1987:ENP

- [Mur87] Tosinobu Muramatu. Estimates for the norm of pseudo-differential operators by means of Besov spaces. *Lecture Notes in Mathematics*, 1256:330–349, 1987. CODEN LNMAA2. ISBN 3-540-17856-2

(print), 3-540-47886-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077749/>.

Murai:1988:ACC

- [Mur88a] Takafumi Murai. Analytic capacities of cranks. *Lecture Notes in Mathematics*, 1307:71–116, 1988. CODEN LNMAA2. ISBN 3-540-19091-0 (print), 3-540-39105-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078081/>.

Murai:1988:CCP

- [Mur88b] Takafumi Murai. The Calderón commutator (8 proofs of its boundedness). *Lecture Notes in Mathematics*, 1307:1–30, 1988. CODEN LNMAA2. ISBN 3-540-19091-0 (print), 3-540-39105-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078079/>.

Murai:1988:RVM

- [Mur88c] Takafumi Murai. A real variable method for the Cauchy transform on graphs. *Lecture Notes in Mathematics*, 1307:31–70, 1988. CODEN LNMAA2. ISBN 3-540-19091-0 (print), 3-540-39105-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078080/>.

Murakami:1989:ESL

- [Mur89] Shingo Murakami. Exceptional simple Lie groups and related topics in recent differential geometry. *Lecture Notes in Mathematics*, 1369:183–221, 1989. CODEN LNMAA2. ISBN 3-540-51037-0 (print), 3-540-46137-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087534/>.

Muto:1986:FEL

- [Mut86] Hideo Muto. The first eigenvalue of the Laplacian of an isoparametric minimal hypersurface in a unit sphere. *Lecture Notes in Mathematics*, 1201:191–201, 1986. CODEN LNMAA2. ISBN 3-540-16770-6 (print), 3-540-38827-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075656/>.

McBryan:1986:MMP

- [MV86] Oliver A. McBryan and Eric F. Van de Velde. The multigrid method on parallel processors. *Lecture Notes in Mathematics*, 1228:232–260, 1986. CODEN LNMAA2. ISBN 3-540-17198-3 (print), 3-540-47372-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072650/>.

Metivier:1988:WSS

- [MV88] Michel Métivier and Michel Viot. On weak solutions of stochastic partial differential equations. *Lecture Notes in Mathematics*, 1322:139–150, 1988. CODEN LNMAA2. ISBN 3-540-19352-9 (print), 3-540-39232-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077872/>.

Mortini:1988:SRP

- [MvR88] Raymond Mortini and Michael von Renteln. Some remarkable properties of the Wiener algebra W^+ . *Lecture Notes in Mathematics*, 1359:218–225, 1988. CODEN LNMAA2. ISBN 3-540-50524-5 (print), 3-540-46032-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086602/>.

Moeglin:1987:CHI

- [MVW87a] Colette Moeglin, Marie-France Vignéras, and Jean-Loup Waldspurger. Correspondance de Howe et induction. (French) []. *Lecture Notes in Mathematics*, 1291:51–77, 1987. CODEN LNMAA2. ISBN 3-540-18699-9 (print), 3-540-48102-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082715/>.

Moeglin:1987:EHF

- [MVW87b] Colette Moeglin, Marie-France Vignéras, and Jean-Loup Waldspurger. Espaces hermitiens. (French) []. *Lecture Notes in Mathematics*, 1291:1–25, 1987. CODEN LNMAA2. ISBN 3-540-18699-9 (print), 3-540-48102-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082713/>.

Moeglin:1987:PRD

- [MVW87c] Colette Moeglin, Marie-France Vignéras, and Jean-Loup Waldspurger. Paires réductives duales non ramifiées. (French) []. *Lec-*

ture Notes in Mathematics, 1291:99–125, 1987. CODEN LNMAA2. ISBN 3-540-18699-9 (print), 3-540-48102-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082717/>.

Moeglin:1987:RPR

[MVW87d] Colette Moeglin, Marie-France Vignéras, and Jean-Loup Waldspurger. Représentations de petit rang du groupe symplectique. (French) []. *Lecture Notes in Mathematics*, 1291:127–161, 1987. CODEN LNMAA2. ISBN 3-540-18699-9 (print), 3-540-48102-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082718/>.

Moeglin:1987:RMC

[MVW87e] Colette Moeglin, Marie-France Vignéras, and Jean-Loup Waldspurger. Représentations métaplectiques et conjecture de Howe. (French) []. *Lecture Notes in Mathematics*, 1291:27–50, 1987. CODEN LNMAA2. ISBN 3-540-18699-9 (print), 3-540-48102-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082714/>.

Moeglin:1987:CCC

[MVW87f] Colette Moeglin, Marie-France Vignéras, and Jean-Loup Waldspurger. Sur les classes de conjugaison dans certains groupes unitaires. (French) []. *Lecture Notes in Mathematics*, 1291:79–97, 1987. CODEN LNMAA2. ISBN 3-540-18699-9 (print), 3-540-48102-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082716/>.

Miele:1986:DPS

[MW86] A. Miele and T. Wang. Dual properties of sequential gradient — restoration algorithms for optimal control problems. *Lecture Notes in Mathematics*, 1190:331–357, 1986. CODEN LNMAA2. ISBN 3-540-16476-6 (print), 3-540-39817-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076713/>.

Masser:1989:SEE

[MW89] D. W. Masser and G. Wüstholz. Some effective estimates for elliptic curves. *Lecture Notes in Mathematics*, 1399:103–109, 1989. CODEN LNMAA2. ISBN 3-540-51729-4 (print), 3-540-46791-2

(e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0095971/>.

Meyer:1987:PDE

- [MY87a] P.-A. Meyer and J. A. Yan. À propos des distributions sur l'espace de Wiener. (French) []. *Lecture Notes in Mathematics*, 1247:8–26, 1987. CODEN LNMAA2. ISBN 3-540-17768-X (print), 3-540-47814-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077625/>.

Mostow:1987:SSC

- [MY87b] G. D. Mostow and Stephen S.-T. Yau. Some surfaces covered by the ball and a problem in finite groups. *Lecture Notes in Mathematics*, 1271:201–228, 1987. CODEN LNMAA2. ISBN 3-540-18234-9 (print), 3-540-47834-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079239/>.

Meyer:1985:CPN

- [MZ85] P.-A. Meyer and W. A. Zheng. Construction de processus de Nelson réversibles. (French) []. *Lecture Notes in Mathematics*, 1123:12–26, 1985. CODEN LNMAA2. ISBN 3-540-15230-X (print), 3-540-39397-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075836/>.

Nagai:1986:SPS

- [Nag86a] Hideo Nagai. Stopping problems of symmetric Markov processes and non-linear variational inequalities. *Lecture Notes in Mathematics*, 1158:208–215, 1986. CODEN LNMAA2. ISBN 3-540-15998-3 (print), 3-540-39703-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080219/>.

Nagel:1986:OPS

- [Nag86b] Rainer Nagel. *One-parameter Semigroups of Positive Operators*, volume 1184 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16454-5 (print), 3-540-39791-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). 425 (est.) pp. LCCN QA3 .L28 no. 1184. URL <http://link.springer.com/chapter/10.1007/BFb0080219/>.

[//link.springer.com/book/10.1007/BFb0074922](http://link.springer.com/book/10.1007/BFb0074922); <http://www.springerlink.com/content/978-3-540-39791-5>.

Nagylaki:1986:NMG

- [Nag86c] Thomas Nagylaki. Neutral models of geographical variation. *Lecture Notes in Mathematics*, 1212:216–237, 1986. CODEN LNMAA2. ISBN 3-540-16803-6 (print), 3-540-47053-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076251/>.

Nagase:1987:SCP

- [Nag87] M. Nagase. On sufficient conditions for pseudo-differential operators to be LP -bounded. *Lecture Notes in Mathematics*, 1256:350–359, 1987. CODEN LNMAA2. ISBN 3-540-17856-2 (print), 3-540-47886-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077750/>.

Nagy:1988:SIW

- [Nag88] Attila Nagy. Subdirectly irreducible we-2 semigroups with globally idempotent core. *Lecture Notes in Mathematics*, 1320:244–250, 1988. CODEN LNMAA2. ISBN 3-540-19347-2 (print), 3-540-39225-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083437/>.

Nakaoka:1989:PBU

- [Nak89] Minoru Nakaoka. Parametrized Borsuk–Ulam theorems and characteristic polynomials. *Lecture Notes in Mathematics*, 1411:155–170, 1989. CODEN LNMAA2. ISBN 3-540-51932-7 (print), 3-540-46862-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086451/>.

Narasimhan:1987:SVB

- [Nar87] M. S. Narasimhan. Survey of vector bundles on curves. *Lecture Notes in Mathematics*, 1273:1–8, 1987. CODEN LNMAA2. ISBN 3-540-18263-2 (print), 3-540-47851-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078835/>.

Nation:1985:SVS

- [Nat85a] J. B. Nation. Some varieties of semidistributive lattices. *Lecture Notes in Mathematics*, 1149:198–223, 1985. CODEN LN-

MAA2. ISBN 3-540-15691-7 (print), 3-540-39638-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098466/>.

Natsume:1985:A

- [Nat85b] Toshikazu Natsume. Appendix. *Lecture Notes in Mathematics*, 1132:312–323, 1985. CODEN LNMAA2. ISBN 3-540-15643-7 (print), 3-540-39514-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074891/>.

Natterer:1986:NTI

- [Nat86] Frank Natterer. Numerical treatment of ill-posed problems. *Lecture Notes in Mathematics*, 1225:142–167, 1986. CODEN LNMAA2. ISBN 3-540-17193-2 (print), 3-540-47353-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072662/>.

Nathanson:1989:APC

- [Nat89a] Melvyn B. Nathanson. Additive problems in combinatorial number theory. *Lecture Notes in Mathematics*, 1383:123–139, 1989. CODEN LNMAA2. ISBN 3-540-51549-6 (print), 3-540-46640-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083574/>.

Nathanson:1989:SCF

- [Nat89b] Melvyn B. Nathanson. Sumsets containing k -free integers. *Lecture Notes in Mathematics*, 1380:179–184, 1989. CODEN LNMAA2. ISBN 3-540-51397-3 (print), 3-540-46205-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086552/>.

Neeman:1985:SBN

- [Ne'85] Yuval Ne'eman. Supermanifolds and Berezin's new integral. *Lecture Notes in Mathematics*, 1139:189–198, 1985. CODEN LNMAA2. ISBN 3-540-15666-6 (print), 3-540-39585-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074584/>.

Neeman:1987:SHD

- [Ne'87] Yuval Ne'eman. Strings: From hadron dual models to gravity, unification and the structure of space-time. *Lecture Notes in Mathematics*, 1251:175–204, 1987. CODEN LNMAA2. ISBN

3-540-17816-3 (print), 3-540-47854-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077321/>.

Necas:1986:ECT

- [Nec86] J. Nečas. Entropy compactification of the transonic flow. *Lecture Notes in Mathematics*, 1192:399–408, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076100/>.

Nedelec:1986:MFE

- [Néd86] J.-C. Nédélec. Mixed finite element in 3D in $H(\text{div})$ and $H(\text{curl})$. *Lecture Notes in Mathematics*, 1192:321–325, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076088/>.

Neher:1987:CG

- [Neh87a] Erhard Neher. Classification of grids. *Lecture Notes in Mathematics*, 1280:59–106, 1987. CODEN LNMAA2. ISBN 3-540-18362-0 (print), 3-540-47921-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078219/>.

Neher:1987:C

- [Neh87b] Erhard Neher. Classifications. *Lecture Notes in Mathematics*, 1280:136–183, 1987. CODEN LNMAA2. ISBN 3-540-18362-0 (print), 3-540-47921-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078221/>.

Neher:1987:CT

- [Neh87c] Erhard Neher. Coordinatization theorems. *Lecture Notes in Mathematics*, 1280:107–135, 1987. CODEN LNMAA2. ISBN 3-540-18362-0 (print), 3-540-47921-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078220/>.

Neher:1987:SFC

- [Neh87d] Erhard Neher. Special families of compatible tripotents. *Lecture Notes in Mathematics*, 1280:1–58, 1987. CODEN LNMAA2. ISBN 3-540-18362-0 (print), 3-540-47921-X (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078218/>.

Neidinger:1985:FOT

- [Nei85] Richard D. Neidinger. Factoring operators through hereditarily- ℓ^p spaces. *Lecture Notes in Mathematics*, 1166:116–128, 1985. CODEN LNMAA2. ISBN 3-540-16051-5 (print), 3-540-39736-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074701/>.

Neidinger:1988:CRI

- [Nei88] R. D. Neidinger. Concepts in the real interpolation of Banach spaces. *Lecture Notes in Mathematics*, 1332:43–53, 1988. CODEN LNMAA2. ISBN 3-540-50018-9 (print), 3-540-45892-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081610/>.

Nelson:1985:CD

- [Nel85] Edward Nelson. Critical diffusions. *Lecture Notes in Mathematics*, 1123:1–11, 1985. CODEN LNMAA2. ISBN 3-540-15230-X (print), 3-540-39397-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075835/>.

Nelson:1988:SMR

- [Nel88] Edward Nelson. Stochastic mechanics and random fields. *Lecture Notes in Mathematics*, 1362:427–459, 1988. CODEN LNMAA2. ISBN 3-540-50549-0 (print), 3-540-46042-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086184/>.

Nelson:1989:FM

- [Nel89] Edward Nelson. Front matter. *Lecture Notes in Mathematics*, 1365:??, 1989. CODEN LNMAA2. ISBN 3-540-50727-2 (print), 3-540-46075-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-540-46075-6/1.pdf>.

Neto:1988:ASP

- [Net88a] Alcides Lins Neto. Algebraic solutions of polynomial differential equations and foliations in dimension two. *Lecture Notes in Mathematics*, 1345:192–232, 1988. CODEN LNMAA2. ISBN 3-540-50226-2 (print), 3-540-45957-X (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081403/>.

Netsvetaev:1988:IID

- [Net88b] N. Yu. Netsvetaev. Incomplete intersections and degenerations of complete intersections. *Lecture Notes in Mathematics*, 1346: 427–432, 1988. CODEN LNMAA2. ISBN 3-540-50237-8 (print), 3-540-45958-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082786/>.

Neubrandner:1986:ASB

- [Neu86a] Frank Neubrandner. Asymptotics of semigroups on Banach spaces. *Lecture Notes in Mathematics*, 1184:98–116, 1986. CODEN LNMAA2. ISBN 3-540-16454-5 (print), 3-540-39791-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074926/>.

Neuman:1986:OLD

- [Neu86b] F. Neuman. Ordinary linear differential equations — a survey of the global theory. *Lecture Notes in Mathematics*, 1192:59–70, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076052/>.

Neustupa:1986:GEW

- [Neu86c] J. Neustupa. The global existence of weak solutions of the mollified system of equations of motion of viscous compressible fluid. *Lecture Notes in Mathematics*, 1192:409–414, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076101/>.

Neumann:1989:PRT

- [Neu89] Peter M. Neumann. Pathology in the representation theory of infinite soluble groups. *Lecture Notes in Mathematics*, 1398:124–139, 1989. CODEN LNMAA2. ISBN 3-540-51695-6 (print), 3-540-46756-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086249/>.

Nevzorov:1987:TCU

- [Nev87] V. B. Nevzorov. Two characterizations using records. *Lecture Notes in Mathematics*, 1233:79–85, 1987. CODEN LNMAA2. ISBN 3-540-17204-1 (print), 3-540-47394-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072713/>.

Nevanlinna:1989:NPL

- [Nev89] Olavi Nevanlinna. A note on Picard–Lindelöf iteration. *Lecture Notes in Mathematics*, 1386:97–102, 1989. CODEN LNMAA2. ISBN 3-540-51478-3 (print), 3-540-48144-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089233/>.

Naveira:1986:DGP

- [NFM86] Antonio M. Naveira, Angel Ferrández, and Francisca Mascaró, editors. *Differential Geometry Peñíscola 1985: Proceedings of the 2nd International Symposium held at Peñíscola, Spain, June 2–9, 1985*, volume 1209 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16801-X (print), 3-540-44844-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1209. URL <http://link.springer.com/book/10.1007/BFb0076616>; <http://www.springerlink.com/content/978-3-540-44844-0>.

Nguyen:1985:SAG

- [Ngu85] Dũng Xuân Nguyen. Self-adjointness for general elliptic operators with Sobolev-type coefficients. *Lecture Notes in Mathematics*, 1151:132–141, 1985. CODEN LNMAA2. ISBN 3-540-15694-1 (print), 3-540-39640-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074721/>.

Nicaise:1987:ASP

- [Nic87] Serge Nicaise. Approche spectrale des problèmes de diffusion sur les réseaux. (French) []. *Lecture Notes in Mathematics*, 1235:120–140, 1987. CODEN LNMAA2. ISBN 3-540-17210-6 (print), 3-540-47406-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072753/>.

Nicolas:1989:ACN

- [Nic89] J. L. Nicolas. Appendix: On composite numbers. *Lecture Notes in Mathematics*, 1395:18–20, 1989. CODEN LNMAA2. ISBN 3-540-51595-X (print), 3-540-46681-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086397/>.

Nikulin:1987:OSE

- [Nik87] V. N. Nikulin. On orthogonal-series estimators for probability distributions. *Lecture Notes in Mathematics*, 1233:86–92, 1987. CODEN LNMAA2. ISBN 3-540-17204-1 (print), 3-540-47394-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072714/>.

Nirenberg:1988:FNS

- [Nir88] Louis Nirenberg. Fully nonlinear second order elliptic equations. *Lecture Notes in Mathematics*, 1340:239–247, 1988. CODEN LNMAA2. ISBN 3-540-50119-3 (print), 3-540-45932-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082899/>.

Nirenberg:1989:VMN

- [Nir89] L. Nirenberg. Variational methods in nonlinear problems. *Lecture Notes in Mathematics*, 1365:100–119, 1989. CODEN LNMAA2. ISBN 3-540-50727-2 (print), 3-540-46075-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089179/>.

Nishikawa:1986:DRM

- [Nis86] Seiki Nishikawa. On deformation of Riemannian metrics and manifolds with positive curvature operator. *Lecture Notes in Mathematics*, 1201:202–211, 1986. CODEN LNMAA2. ISBN 3-540-16770-6 (print), 3-540-38827-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075657/>.

Nitsche:1986:FBP

- [Nit86] J. A. Nitsche. Free boundary problems for Stokes' flows and finite element methods. *Lecture Notes in Mathematics*, 1192:327–332, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076089/>.

Njaatad:1986:MPP

- [Njå86] Olav Njåstad. A multi-point Padé approximation problem. *Lecture Notes in Mathematics*, 1199:263–268, 1986. CODEN LNMAA2. ISBN 3-540-16768-4 (print), 3-540-38817-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075941/>.

Njastad:1988:ORF

- [Njå88] Olav Njåstad. Orthogonal rational functions with poles in a finite subset of R . *Lecture Notes in Mathematics*, 1329:300–307, 1988. CODEN LNMAA2. ISBN 3-540-19489-4 (print), 3-540-39295-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083369/>.

Njaastad:1989:MPA

- [Njå89a] Olav Njåstad. Multipoint Padé approximants and related continued fractions. *Lecture Notes in Mathematics*, 1406:76–87, 1989. CODEN LNMAA2. ISBN 3-540-51830-4 (print), 3-540-46820-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0096167/>.

Njaastad:1989:SSR

- [Njå89b] Olav Njåstad. A survey of some results on separate convergence of continued fractions. *Lecture Notes in Mathematics*, 1406:88–115, 1989. CODEN LNMAA2. ISBN 3-540-51830-4 (print), 3-540-46820-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0096168/>.

Nocedal:1986:VCG

- [Noc86] Jorge Nocedal. Viewing the conjugate gradient method as a trust region algorithm. *Lecture Notes in Mathematics*, 1230:118–126, 1986. CODEN LNMAA2. ISBN 3-540-17200-9 (print), 3-540-47379-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072675/>.

Noll:1986:CMG

- [Nol86] Walter Noll. Continuum mechanics and geometric integration theory. *Lecture Notes in Mathematics*, 1174:17–29, 1986. CODEN LNMAA2. ISBN 3-540-16096-5 (print), 3-540-39760-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076930/>.

Norguet:1986:FPV

- [Nor86a] François Norguet, editor. *Fonctions de Plusieurs Variables Complexes V: Séminaire François Norguet Octobre 1979–Juin 1985*, volume 1188 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16460-X (print), 3-540-39797-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1188. URL <http://link.springer.com/book/10.1007/BFb0076817>; <http://www.springerlink.com/content/978-3-540-39797-7>.

Norris:1986:SMC

- [Nor86b] James Norris. Simplified Malliavin calculus. *Lecture Notes in Mathematics*, 1204:101–130, 1986. CODEN LNMAA2. ISBN 3-540-16779-X (print), 3-540-39860-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075716/>.

Notbohm:1988:FPC

- [Not88] Dietrich Notbohm. The fixed-point conjecture for p -toral groups. *Lecture Notes in Mathematics*, 1361:253–260, 1988. CODEN LNMAA2. ISBN 3-540-50528-8 (print), 3-540-46036-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083038/>.

Novak:1988:AEB

- [Nov88a] Erich Novak. Average error bounds. *Lecture Notes in Mathematics*, 1349:66–89, 1988. CODEN LNMAA2. ISBN 3-540-50368-4 (print), 3-540-45987-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079796/>.

Novak:1988:DEB

- [Nov88b] Erich Novak. Deterministic error bounds. *Lecture Notes in Mathematics*, 1349:9–42, 1988. CODEN LNMAA2. ISBN 3-540-50368-4 (print), 3-540-45987-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079794/>.

Novak:1988:EBM

- [Nov88c] Erich Novak. Error bounds for Monte Carlo methods. *Lecture Notes in Mathematics*, 1349:43–65, 1988. CODEN LNMAA2. ISBN 3-540-50368-4 (print), 3-540-45987-1 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079795/>.

Novak:1988:I

- [Nov88d] Erich Novak. Introduction. *Lecture Notes in Mathematics*, 1349: 1–8, 1988. CODEN LNMAA2. ISBN 3-540-50368-4 (print), 3-540-45987-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079793/>.

Novikov:1988:ATH

- [Nov88e] S. P. Novikov. Analytical theory of homotopy groups. *Lecture Notes in Mathematics*, 1346:99–112, 1988. CODEN LNMAA2. ISBN 3-540-50237-8 (print), 3-540-45958-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082773/>.

Nowak:1985:EBT

- [Now85] Werner Georg Nowak. Einige Beiträge Zur Theorie Der Gitterpunkte. (German) []. *Lecture Notes in Mathematics*, 1114:98–117, 1985. CODEN LNMAA2. ISBN 3-540-15189-3 (print), 3-540-39281-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101649/>.

Nowak:1987:HFS

- [Now87] Sławomir Nowak. On the homology of function spaces. *Lecture Notes in Mathematics*, 1283:193–201, 1987. CODEN LNMAA2. ISBN 3-540-18443-0 (print), 3-540-47975-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081428/>.

Nagy:1989:WHC

- [NP89a] Zs. Nagy and S. Purisch. When hereditarily collectionwise Hausdorffness implies regularity. *Lecture Notes in Mathematics*, 1401: 128–134, 1989. CODEN LNMAA2. ISBN 3-540-51730-8 (print), 3-540-46795-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097336/>.

Nguyen:1989:HSB

- [NP89b] Sang Nguyen and Stefano Pallottino. Hyperpaths and shortest hyperpaths. *Lecture Notes in Mathematics*, 1403:258–271, 1989.

CODEN LNMAA2. ISBN 3-540-51797-9 (print), 3-540-46810-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083470/>.

Naidu:1985:MAS

- [NR85a] Desineni S. Naidu and Ayalasomayajula K. Rao. Modelling and analysis of singularly perturbed difference equations in state space form. *Lecture Notes in Mathematics*, 1154:41–119, 1985. CODEN LNMAA2. ISBN 3-540-15981-9 (print), 3-540-39681-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074762/>.

Naidu:1985:SPAa

- [NR85b] Desineni S. Naidu and Ayalasomayajula K. Rao. Singular perturbation analysis of difference equations in classical form. *Lecture Notes in Mathematics*, 1154:1–40, 1985. CODEN LNMAA2. ISBN 3-540-15981-9 (print), 3-540-39681-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074761/>.

Naidu:1985:SPAb

- [NR85c] Desineni S. Naidu and Ayalasomayajula K. Rao. *Singular Perturbation Analysis of Discrete Control Systems*, volume 1154 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15981-9 (print), 3-540-39681-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). x + 195 pp. LCCN QA3.L28 no. 1154. URL [http://link.springer.com/book/10.1007/BFb0074760](http://link.springer.com/book/10.1007/BFb0074760;); <http://www.springerlink.com/content/978-3-540-39681-9>.

Naidu:1985:SPN

- [NR85d] Desineni S. Naidu and Ayalasomayajula K. Rao. Singularly perturbed nonlinear difference equations and closed-loop discrete optimal control problem. *Lecture Notes in Mathematics*, 1154:148–188, 1985. CODEN LNMAA2. ISBN 3-540-15981-9 (print), 3-540-39681-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074764/>.

Naidu:1985:TTS

- [NR85e] Desineni S. Naidu and Ayalasomayajula K. Rao. Three-time-scale difference equations with application to open-loop optimal control problem. *Lecture Notes in Mathematics*, 1154:120–147, 1985.

CODEN LNMAA2. ISBN 3-540-15981-9 (print), 3-540-39681-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074763/>.

Naveira:1985:GOE

- [NR85f] A. M. Naveira and A. H. Rocamora. A geometrical obstruction to the existence of two totally umbilical complementary foliations in compact manifolds. *Lecture Notes in Mathematics*, 1139:263–279, 1985. CODEN LNMAA2. ISBN 3-540-15666-6 (print), 3-540-39585-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074589/>.

Nerode:1985:GOR

- [NR85g] A. Nerode and J. B. Remmel. Generic objects in recursion theory. *Lecture Notes in Mathematics*, 1141:271–314, 1985. CODEN LNMAA2. ISBN 3-540-15673-9 (print), 3-540-39596-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076226/>.

Neumann:1988:EMN

- [NR88] Walter D. Neumann and Lee Rudolph. The enhanced Milnor number in higher dimensions. *Lecture Notes in Mathematics*, 1350:109–121, 1988. CODEN LNMAA2. ISBN 3-540-50369-2 (print), 3-540-45990-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081471/>.

Naftalevich:1985:TPS

- [NS85] A. Naftalevich and M. Schreiber. Trigonometric polynomials and sums of squares. *Lecture Notes in Mathematics*, 1135:225–238, 1985. CODEN LNMAA2. ISBN 3-540-15649-6 (print), 3-540-39535-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074607/>.

Nagel:1986:BRB

- [NS86a] Rainer Nagel and Ulf Schlotterbeck. Basic results on Banach lattices and positive operators. *Lecture Notes in Mathematics*, 1184:233–246, 1986. CODEN LNMAA2. ISBN 3-540-16454-5 (print), 3-540-39791-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074931/>.

Nagel:1986:BRSa

- [NS86b] Rainer Nagel and Ulf Schlotterbeck. Basic results on semigroups on Banach spaces. *Lecture Notes in Mathematics*, 1184:1–24, 1986. CODEN LNMAA2. ISBN 3-540-16454-5 (print), 3-540-39791-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074923/>.

Nagel:1986:BR Sb

- [NS86c] Rainer Nagel and Ulf Schlotterbeck. Basic results on spaces $C_o(X)$. *Lecture Notes in Mathematics*, 1184:117–121, 1986. CODEN LNMAA2. ISBN 3-540-16454-5 (print), 3-540-39791-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074927/>.

Nagel:1986:CSB

- [NS86d] Rainer Nagel and Ulf Schlotterbeck. Characterization of semigroups on Banach spaces. *Lecture Notes in Mathematics*, 1184:25–59, 1986. CODEN LNMAA2. ISBN 3-540-16454-5 (print), 3-540-39791-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074924/>.

Naveira:1986:IIG

- [NS86e] A. M. Naveira and S. Segura. The isoperimetric inequality and the geodesic spheres. Some geometric consequences. *Lecture Notes in Mathematics*, 1209:235–242, 1986. CODEN LNMAA2. ISBN 3-540-16801-X (print), 3-540-44844-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076635/>.

Nagaev:1987:PMS

- [NS87] A. V. Nagaev and S. M. Shcolnick. Properties of mode of spectral positive stable distributions. *Lecture Notes in Mathematics*, 1233:69–78, 1987. CODEN LNMAA2. ISBN 3-540-17204-1 (print), 3-540-47394-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072712/>.

Nagaev:1989:SAP

- [NS89a] A. V. Nagaev and S. M. Shkolnik. Some asymptotic properties of the stable laws. *Lecture Notes in Mathematics*, 1412:229–238, 1989. CODEN LNMAA2. ISBN 3-540-51948-3 (print), 3-

540-46863-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084175/>.

Norsett:1989:APR

- [NS89b] Syvert P. Nørsett and Harald H. Simonsen. Aspects of parallel Runge–Kutta methods. *Lecture Notes in Mathematics*, 1386: 103–117, 1989. CODEN LNMAA2. ISBN 3-540-51478-3 (print), 3-540-48144-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089234/>.

Nualart:1989:MCD

- [NÜ89] David Nualart and Ali Süleyman Üstünel. Mesures cylindriques et distributions sur l'espace de Wiener. (French) []. *Lecture Notes in Mathematics*, 1390:186–191, 1989. CODEN LNMAA2. ISBN 3-540-51510-0 (print), 3-540-48200-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083945/>.

Nualart:1986:MCS

- [Nua86] David Nualart. Malliavin calculus and stochastic integrals. *Lecture Notes in Mathematics*, 1221:182–194, 1986. CODEN LNMAA2. ISBN 3-540-17186-X (print), 3-540-47344-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099114/>.

Nualart:1988:NSI

- [Nua88] David Nualart. Nonclausal stochastic integrals and calculus. *Lecture Notes in Mathematics*, 1316:80–129, 1988. CODEN LNMAA2. ISBN 3-540-19315-4 (print), 3-540-39186-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081930/>.

Nualart:1989:RDC

- [Nua89] David Nualart. Une remarque sur le développement en chaos d'une diffusion. (French) []. *Lecture Notes in Mathematics*, 1372:165–168, 1989. CODEN LNMAA2. ISBN 3-540-51191-1 (print), 3-540-46176-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083969/>.

Nummelin:1989:CWL

- [Num89] E. Nummelin. A conditional weak law of large numbers. *Lecture Notes in Mathematics*, 1412:259–262, 1989. CODEN LNMAA2. ISBN 3-540-51948-3 (print), 3-540-46863-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084177/>.

Nikulin:1989:CSG

- [NV89] M. S. Nikulin and V. G. Voinov. A chi-square goodness-of-fit test for exponential distributions of the first order. *Lecture Notes in Mathematics*, 1412:239–258, 1989. CODEN LNMAA2. ISBN 3-540-51948-3 (print), 3-540-46863-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084176/>.

Nakata:1986:SSR

- [NW86] Mie Nakata and Mary Fanett Wheeler. Some superconvergence results for mixed finite element methods for linear parabolic problems. *Lecture Notes in Mathematics*, 1230:167–174, 1986. CODEN LNMAA2. ISBN 3-540-17200-9 (print), 3-540-47379-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072679/>.

Njaastad:1989:SRN

- [NW89] Olav Njåstad and Haakon Waadeland. Some remarks on nearness problems for continued fraction expansions. *Lecture Notes in Mathematics*, 1406:116–123, 1989. CODEN LNMAA2. ISBN 3-540-51830-4 (print), 3-540-46820-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0096169/>.

Nyikos:1989:CCS

- [Nyi89] Peter J. Nyikos. Classes of compact sequential spaces. *Lecture Notes in Mathematics*, 1401:135–159, 1989. CODEN LNMAA2. ISBN 3-540-51730-8 (print), 3-540-46795-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097337/>.

Neumann:1985:NIF

- [NZ85] Walter D. Neumann and Don Zagier. A note on an invariant of Fintushel and Stern. *Lecture Notes in Mathematics*, 1167:241–244, 1985. CODEN LNMAA2. ISBN 3-540-16053-1 (print), 3-

540-39738-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075227/>.

Nualart:1989:SSI

- [NZ89] D. Nualart and M. Zakai. A summary of some identities of the Malliavin calculus. *Lecture Notes in Mathematics*, 1390:192–196, 1989. CODEN LNMAA2. ISBN 3-540-51510-0 (print), 3-540-48200-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083946/>.

Obata:1989:LLM

- [Oba89] Nobuaki Obata. The Levy Laplacian and mean value theorem. *Lecture Notes in Mathematics*, 1379:242–253, 1989. CODEN LNMAA2. ISBN 3-540-51401-5 (print), 3-540-46206-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087857/>.

Obretenov:1985:SCB

- [Obr85] Apostol Obretenov. Some characterization of bivariate distributions based on hazard rate properties. *Lecture Notes in Mathematics*, 1155:223–241, 1985. CODEN LNMAA2. ISBN 3-540-15985-1 (print), 3-540-39686-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074821/>.

Obretenov:1989:RCE

- [Obr89] A. Obretenov. On the rate of convergence for the extreme value in the case of IFR-distributions. *Lecture Notes in Mathematics*, 1412:263–269, 1989. CODEN LNMAA2. ISBN 3-540-51948-3 (print), 3-540-46863-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084178/>.

Ochanine:1988:GEE

- [Och88] Serge Ochanine. Genres elliptiques équivariants. (French) []. *Lecture Notes in Mathematics*, 1326:107–122, 1988. CODEN LNMAA2. ISBN 3-540-19490-8 (print), 3-540-39300-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078041/>.

Ocneanu:1985:ADA

- [Ocn85a] Adrian Ocneanu. *Actions of discrete amenable groups on von Neumann algebras*, volume 1138 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15663-1 (print), 3-540-39579-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). iv + 115 pp. LCCN QA3 .L28 no. 1138. URL <http://link.springer.com/book/10.1007/BFb0098579>; <http://www.springerlink.com/content/978-3-540-39579-9>.

Ocneanu:1985:AG

- [Ocn85b] Adrian Ocneanu. Amenable groups. *Lecture Notes in Mathematics*, 1138:16–22, 1985. CODEN LNMAA2. ISBN 3-540-15663-1 (print), 3-540-39579-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098583/>.

Ocneanu:1985:CV

- [Ocn85c] Adrian Ocneanu. Cohomology vanishing. *Lecture Notes in Mathematics*, 1138:59–77, 1985. CODEN LNMAA2. ISBN 3-540-15663-1 (print), 3-540-39579-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098587/>.

Ocneanu:1985:I

- [Ocn85d] Adrian Ocneanu. Introduction. *Lecture Notes in Mathematics*, 1138:1–5, 1985. CODEN LNMAA2. ISBN 3-540-15663-1 (print), 3-540-39579-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098580/>.

Ocneanu:1985:IC

- [Ocn85e] Adrian Ocneanu. Invariants and classification. *Lecture Notes in Mathematics*, 1138:8–16, 1985. CODEN LNMAA2. ISBN 3-540-15663-1 (print), 3-540-39579-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098582/>.

Ocneanu:1985:MR

- [Ocn85f] Adrian Ocneanu. Main results. *Lecture Notes in Mathematics*, 1138:5–7, 1985. CODEN LNMAA2. ISBN 3-540-15663-1

(print), 3-540-39579-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098581/>.

Ocneanu:1985:MA

- [Ocn85g] Adrian Ocneanu. The model action. *Lecture Notes in Mathematics*, 1138:23–31, 1985. CODEN LNMAA2. ISBN 3-540-15663-1 (print), 3-540-39579-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098584/>.

Ocneanu:1985:MAI

- [Ocn85h] Adrian Ocneanu. Model action isomorphism. *Lecture Notes in Mathematics*, 1138:95–111, 1985. CODEN LNMAA2. ISBN 3-540-15663-1 (print), 3-540-39579-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098589/>.

Ocneanu:1985:MAS

- [Ocn85i] Adrian Ocneanu. Model action splitting. *Lecture Notes in Mathematics*, 1138:77–95, 1985. CODEN LNMAA2. ISBN 3-540-15663-1 (print), 3-540-39579-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098588/>.

Ocneanu:1985:RT

- [Ocn85j] Adrian Ocneanu. The Rohlin theorem. *Lecture Notes in Mathematics*, 1138:41–59, 1985. CODEN LNMAA2. ISBN 3-540-15663-1 (print), 3-540-39579-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098586/>.

Ocneanu:1985:UA

- [Ocn85k] Adrian Ocneanu. Ultraproduct algebras. *Lecture Notes in Mathematics*, 1138:31–40, 1985. CODEN LNMAA2. ISBN 3-540-15663-1 (print), 3-540-39579-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098585/>.

Ocone:1987:PDS

- [Oco87] Daniel Ocone. Probability distributions of solutions to some stochastic partial differential equations. *Lecture Notes in Mathematics*, 1236:184–199, 1987. CODEN LNMAA2. ISBN 3-540-17211-4 (print), 3-540-47408-0 (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072890/>.

Ocone:1988:GSC

- [Oco88] Daniel L. Ocone. A guide to the stochastic calculus of variations. *Lecture Notes in Mathematics*, 1316:1–79, 1988. CODEN LNMAA2. ISBN 3-540-19315-4 (print), 3-540-39186-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081929/>.

Oberst:1985:AFG

- [OD85a] Ulrich Oberst and Arne Dür. Actions of formal groups on formal schemes. Applications to control theory and combinatorics. *Lecture Notes in Mathematics*, 1146:214–269, 1985. CODEN LNMAA2. ISBN 3-540-15686-0 (print), 3-540-39628-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074540/>.

Oberst:1985:CCA

- [OD85b] Ulrich Oberst and Arne Dür. A constructive characterization of all optimal linear codes. *Lecture Notes in Mathematics*, 1146:176–213, 1985. CODEN LNMAA2. ISBN 3-540-15686-0 (print), 3-540-39628-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074539/>.

Odifreddi:1985:SD

- [Odi85] Piergiorgio Odifreddi. The structure of m -degrees. *Lecture Notes in Mathematics*, 1141:315–332, 1985. CODEN LNMAA2. ISBN 3-540-15673-9 (print), 3-540-39596-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076227/>.

Ofman:1986:ITOc

- [Ofm86a] Salomon Ofman. Injectivité de la transformation obtenue par intégration sur les cycles analytiques. (French) []. *Lecture Notes in Mathematics*, 1188:201–228, 1986. CODEN LNMAA2. ISBN 3-540-16460-X (print), 3-540-39797-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076823/>.

Ofman:1986:ITOb

- [Ofm86b] Salomon Ofman. Injectivité de la transformation obtenue par intégration sur les cycles analytiques. (French) []. *Lecture Notes in Mathematics*, 1188:183–189, 1986. CODEN LNMAA2. ISBN 3-540-16460-X (print), 3-540-39797-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076821/>.

Ofman:1986:ITOb

- [Ofm86c] Salomon Ofman. Injectivité de la transformation obtenue par intégration sur les cycles analytiques. (French) []. *Lecture Notes in Mathematics*, 1188:190–200, 1986. CODEN LNMAA2. ISBN 3-540-16460-X (print), 3-540-39797-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076822/>.

Ofman:1986:RDF

- [Ofm86d] Salomon Ofman. Residu et dualité. (French) []. *Lecture Notes in Mathematics*, 1188:1–22, 1986. CODEN LNMAA2. ISBN 3-540-16460-X (print), 3-540-39797-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076818/>.

Ofman:1986:TRI

- [Ofm86e] Salomon Ofman. Transformée de Radon et intégrale sur les cycles analytiques compacts de certains ouverts de l'espace projectif complexe. (French) []. *Lecture Notes in Mathematics*, 1188:23–44, 1986. CODEN LNMAA2. ISBN 3-540-16460-X (print), 3-540-39797-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076819/>.

Oharu:1986:SEE

- [Oha86] Shinnosuke Oharu. Semilinear evolution equations in Fréchet spaces. *Lecture Notes in Mathematics*, 1223:186–207, 1986. CODEN LNMAA2. ISBN 3-540-17191-6 (print), 3-540-47350-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099193/>.

Ohtsuka:1988:WEL

- [Oht88] Makoto Ohtsuka. Weighted extremal length and Beppo Levi functions. *Lecture Notes in Mathematics*, 1344:154–161, 1988. CODEN

LNMAA2. ISBN 3-540-50210-6 (print), 3-540-45952-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0103349/>.

Okada:1985:TBE

- [Oka85] Masami Okada. Transcendental Bézout estimate by the logarithmic function in \mathbf{C}^n . *Lecture Notes in Mathematics*, 1165:204–210, 1985. CODEN LNMAA2. ISBN 3-540-16050-7 (print), 3-540-39734-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076155/>.

Okniński:1988:CMR

- [Okn88a] Jan Okniński. Commutative monoid rings with Krull dimension. *Lecture Notes in Mathematics*, 1320:251–259, 1988. CODEN LNMAA2. ISBN 3-540-19347-2 (print), 3-540-39225-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083438/>.

Okniński:1988:NPS

- [Okn88b] Jan Okniński. Noetherian property for semigroup rings. *Lecture Notes in Mathematics*, 1328:209–218, 1988. CODEN LNMAA2. ISBN 3-540-19474-6 (print), 3-540-39278-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100926/>.

Okoneshnikov:1985:CIP

- [Oko85] Yu. D. Okoneshnikov. Confidence intervals for the parameters of strongly stable laws. *Lecture Notes in Mathematics*, 1155:242–255, 1985. CODEN LNMAA2. ISBN 3-540-15985-1 (print), 3-540-39686-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074822/>.

Okonek:1986:CCC

- [Oko86a] Christian Okonek. Concavity, convexity and complements in complex spaces. *Lecture Notes in Mathematics*, 1194:104–126, 1986. CODEN LNMAA2. ISBN 3-540-16490-1 (print), 3-540-39829-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076998/>.

Okonek:1986:SHM

- [Oko86b] Christian Okonek. Subvarieties in homogeneous manifolds. *Lecture Notes in Mathematics*, 1194:127–132, 1986. CODEN LNMAA2. ISBN 3-540-16490-1 (print), 3-540-39829-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076999/>.

Oliver:1985:PCG

- [Oli85] Robert Oliver. Projective class groups of integral group rings: a survey. *Lecture Notes in Mathematics*, 1142:211–232, 1985. CODEN LNMAA2. ISBN 3-540-15674-7 (print), 3-540-39601-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074803/>.

Ollagnier:1985:DSA

- [Oll85a] Jean Moulin Ollagnier. Dynamical systems and amenable groups. *Lecture Notes in Mathematics*, 1115:15–34, 1985. CODEN LNMAA2. ISBN 3-540-15192-3 (print), 3-540-39289-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101577/>.

Ollagnier:1985:DSS

- [Oll85b] Jean Moulin Ollagnier. Dynamical systems in statistical mechanics. *Lecture Notes in Mathematics*, 1115:105–116, 1985. CODEN LNMAA2. ISBN 3-540-15192-3 (print), 3-540-39289-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101582/>.

Ollagnier:1985:EFV

- [Oll85c] Jean Moulin Ollagnier. Entropy as a function and the variational principle. *Lecture Notes in Mathematics*, 1115:71–85, 1985. CODEN LNMAA2. ISBN 3-540-15192-3 (print), 3-540-39289-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101580/>.

Ollagnier:1985:EAD

- [Oll85d] Jean Moulin Ollagnier. Entropy of abstract dynamical systems. *Lecture Notes in Mathematics*, 1115:53–70, 1985. CODEN LNMAA2. ISBN 3-540-15192-3 (print), 3-540-39289-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101579/>.

Ollagnier:1985:ECA

- [Oll85e] Jean Moulin Ollagnier. Equivalence of countable amenable groups. *Lecture Notes in Mathematics*, 1115:117–138, 1985. CODEN LNMAA2. ISBN 3-540-15192-3 (print), 3-540-39289-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101583/>.

Ollagnier:1985:ET

- [Oll85f] Jean Moulin Ollagnier. Ergodic theorems. *Lecture Notes in Mathematics*, 1115:35–52, 1985. CODEN LNMAA2. ISBN 3-540-15192-3 (print), 3-540-39289-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101578/>.

Ollagnier:1985:ETS

- [Oll85g] Jean Moulin Ollagnier. *Ergodic Theory and Statistical Mechanics*, volume 1115 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15192-3 (print), 3-540-39289-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). vi + 147 pp. LCCN QA3 .L28 no. 1115. URL <http://link.springer.com/book/10.1007/BFb0101575>; <http://www.springerlink.com/content/978-3-540-39289-7>.

Ollagnier:1985:PA

- [Oll85h] Jean Moulin Ollagnier. Preliminary analysis. *Lecture Notes in Mathematics*, 1115:1–14, 1985. CODEN LNMAA2. ISBN 3-540-15192-3 (print), 3-540-39289-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101576/>.

Ollagnier:1985:SML

- [Oll85i] Jean Moulin Ollagnier. Statistical mechanics on a lattice. *Lecture Notes in Mathematics*, 1115:86–104, 1985. CODEN LNMAA2. ISBN 3-540-15192-3 (print), 3-540-39289-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101581/>.

Olver:1987:ITD

- [Olv87] Peter J. Olver. Invariant theory and differential equations. *Lecture Notes in Mathematics*, 1278:62–80, 1987. CODEN LNMAA2. ISBN 3-540-18360-4 (print), 3-540-47908-2 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078807/>.

Omey:1989:RCE

- [Ome89] E. Omey. On the rate of convergence in extreme value theory. *Lecture Notes in Mathematics*, 1412:270–279, 1989. CODEN LNMAA2. ISBN 3-540-51948-3 (print), 3-540-46863-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084179/>.

Ocone:1989:LAC

- [OP89] Daniel Ocone and Étienne Pardoux. A Lie algebraic criterion for non-existence of finite dimensionally computable filters. *Lecture Notes in Mathematics*, 1390:197–204, 1989. CODEN LNMAA2. ISBN 3-540-51510-0 (print), 3-540-48200-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083947/>.

Obretenov:1987:EDB

- [OR87a] A. Obretenov and S. Rachev. Estimates of the deviation between the exponential and new classes of bivariate distributions. *Lecture Notes in Mathematics*, 1233:93–102, 1987. CODEN LNMAA2. ISBN 3-540-17204-1 (print), 3-540-47394-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072715/>.

Oeljeklaus:1987:RRH

- [OR87b] Karl Oeljeklaus and Wolfgang Richthofer. Recent results on homogeneous complex manifolds. *Lecture Notes in Mathematics*, 1277:78–119, 1987. CODEN LNMAA2. ISBN 3-540-18355-8 (print), 3-540-47893-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078246/>.

Orloff:1987:OIS

- [Orl87] Jeremy Orloff. Orbital integrals on symmetric spaces. *Lecture Notes in Mathematics*, 1243:198–239, 1987. CODEN LNMAA2. ISBN 3-540-17701-9 (print), 3-540-47775-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073024/>.

Orobitg:1989:SSS

- [Oro89] Joan Orobitg. Spectral synthesis in spaces of functions with derivatives in H^1 . *Lecture Notes in Mathematics*, 1384:202–206, 1989. CODEN LNMAA2. ISBN 3-540-51460-0 (print), 3-540-48134-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086804/>.

Okonek:1985:STG

- [OS85] Christian Okonek and Heinz Spindler. Das Spektrum torsionsfreier Garben II. (German) []. *Lecture Notes in Mathematics*, 1165:211–234, 1985. CODEN LNMAA2. ISBN 3-540-16050-7 (print), 3-540-39734-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076156/>.

Oshima:1987:ACT

- [Ōsh87] Y. Ōshima. On absolute continuity of two symmetric diffusion processes. *Lecture Notes in Mathematics*, 1250:184–194, 1987. CODEN LNMAA2. ISBN 3-540-17797-3 (print), 3-540-47835-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077358/>.

Ostrovskii:1985:GTC

- [Ost85] I. V. Ostrovskii. Generalization of the Titchmarsh convolution theorem and the complex-valued measures uniquely determined by their restrictions to a half-line. *Lecture Notes in Mathematics*, 1155:256–283, 1985. CODEN LNMAA2. ISBN 3-540-15985-1 (print), 3-540-39686-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074823/>.

Oshima:1987:TSM

- [ŌT87] Yōichi Ōshima and Masayoshi Takeda. On a transformation of symmetric Markov process and recurrence property. *Lecture Notes in Mathematics*, 1250:171–183, 1987. CODEN LNMAA2. ISBN 3-540-17797-3 (print), 3-540-47835-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077357/>.

Ouadghiri:1988:MSH

- [Oua88] A. Ouadghiri. Un modèle de Sullivan en homotopie modérée. (French) []. *Lecture Notes in Mathematics*, 1318:162–191, 1988.

CODEN LNMAA2. ISBN 3-540-19340-5 (print), 3-540-39204-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077802/>.

Omey:1987:DBD

- [OW87] E. Omey and E. Willekens. On the difference between distributions of sums and maxima. *Lecture Notes in Mathematics*, 1233:103–113, 1987. CODEN LNMAA2. ISBN 3-540-17204-1 (print), 3-540-47394-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072716/>.

Owen:1986:GLV

- [Owe86] David R. Owen. Global and local versions of the second law of thermodynamics. *Lecture Notes in Mathematics*, 1174:100–114, 1986. CODEN LNMAA2. ISBN 3-540-16096-5 (print), 3-540-39760-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076937/>.

Ozawa:1985:NTS

- [Oza85] Tetsuya Ozawa. On the number of tritangencies of a surface in \mathbb{R}^3 . *Lecture Notes in Mathematics*, 1156:240–253, 1985. CODEN LNMAA2. ISBN 3-540-15994-0 (print), 3-540-39698-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075096/>.

Ozawa:1988:AGF

- [Oza88] Shin Ozawa. Approximation of Green's function in a region with many obstacles. *Lecture Notes in Mathematics*, 1339:212–225, 1988. CODEN LNMAA2. ISBN 3-540-50113-4 (print), 3-540-45930-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083057/>.

Paneitz:1985:IFD

- [Pan85a] Stephen M. Paneitz. Indecomposable finite dimensional representations of the Poincaré group and associated fields. *Lecture Notes in Mathematics*, 1139:6–9, 1985. CODEN LNMAA2. ISBN 3-540-15666-6 (print), 3-540-39585-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074574/>.

Pantcheva:1985:LTE

- [Pan85b] E. Pantcheva. Limit theorems for extreme order statistics under nonlinear normalization. *Lecture Notes in Mathematics*, 1155: 284–309, 1985. CODEN LNMAA2. ISBN 3-540-15985-1 (print), 3-540-39686-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074824/>.

Pansu:1986:QMM

- [Pan86] Pierre Pansu. Quasiconformal mappings and manifolds of negative curvature. *Lecture Notes in Mathematics*, 1201:212–229, 1986. CODEN LNMAA2. ISBN 3-540-16770-6 (print), 3-540-38827-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075658/>.

Papamichael:1985:TSO

- [Pap85] N. Papamichael. The treatment of singularities in orthonormalization methods for numerical conformal mapping. *Lecture Notes in Mathematics*, 1121:207–227, 1985. CODEN LNMAA2. ISBN 3-540-15219-9 (print), 3-540-39377-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076273/>.

Papanicolaou:1988:RPI

- [Pap88a] George C. Papanicolaou. Remarks on the point interaction approximation. *Lecture Notes in Mathematics*, 1362:265–275, 1988. CODEN LNMAA2. ISBN 3-540-50549-0 (print), 3-540-46042-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086182/>.

Papanicolaou:1988:WOD

- [Pap88b] George C. Papanicolaou. Waves in one-dimensional random media. *Lecture Notes in Mathematics*, 1362:205–264, 1988. CODEN LNMAA2. ISBN 3-540-50549-0 (print), 3-540-46042-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086181/>.

Pardoux:1986:GFR

- [Par86a] É. Pardoux. Grossissement d'une filtration et retournement du temps d'une diffusion. (French) []. *Lecture Notes in Mathematics*, 1204:48–55, 1986. CODEN LNMAA2. ISBN 3-540-16779-X

(print), 3-540-39860-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075711/>.

Parthasarathy:1986:QSC

- [Par86b] K. R. Parthasarathy. Quantum stochastic calculus. *Lecture Notes in Mathematics*, 1203:177–196, 1986. CODEN LNMAA2. ISBN 3-540-16773-0 (print), 3-540-39852-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076881/>.

Parthasarathy:1986:RPM

- [Par86c] K. R. Parthasarathy. A remark on the paper ‘Une martingale d’opérateurs bornés, non représentable en intégrale stochastique’, by J. L. Journé and P.-A. Meyer. *Lecture Notes in Mathematics*, 1204:317–320, 1986. CODEN LNMAA2. ISBN 3-540-16779-X (print), 3-540-39860-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075721/>. See [JM86b].

Parthasarathy:1986:SAR

- [Par86d] K. R. Parthasarathy. Some additional remarks on Fock space stochastic calculus. *Lecture Notes in Mathematics*, 1204:331–333, 1986. CODEN LNMAA2. ISBN 3-540-16779-X (print), 3-540-39860-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075723/>.

Pardoux:1987:TSS

- [Par87a] É. Pardoux. Two-sided stochastic calculus for spdes. *Lecture Notes in Mathematics*, 1236:200–207, 1987. CODEN LNMAA2. ISBN 3-540-17211-4 (print), 3-540-47408-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072891/>.

Parusnikov:1987:CML

- [Par87b] V. I. Parusnikov. On the convergence of the multidimensional limit-periodic continued fractions. *Lecture Notes in Mathematics*, 1237:217–227, 1987. CODEN LNMAA2. ISBN 3-540-17212-2 (print), 3-540-47412-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072466/>.

Pardo:1988:RQE

- [Par88a] J. L. Gómez Pardo. Rings of quotients of endomorphism rings. *Lecture Notes in Mathematics*, 1328:106–121, 1988. CODEN LNMAA2. ISBN 3-540-19474-6 (print), 3-540-39278-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100920/>.

Parthasarathy:1988:LMF

- [Par88b] K. R. Parthasarathy. Local measures in Fock space stochastic calculus and a generalized Itô–Tanaka formula. *Lecture Notes in Mathematics*, 1303:213–231, 1988. CODEN LNMAA2. ISBN 3-540-18919-X (print), 3-540-38846-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078065/>.

Parthasarathy:1989:SCQ

- [Par89] K. R. Parthasarathy. Some comments on quantum probability. *Lecture Notes in Mathematics*, 1372:169–174, 1989. CODEN LNMAA2. ISBN 3-540-51191-1 (print), 3-540-46176-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083970/>.

Pasini:1986:CFG

- [Pas86] Antonio Pasini. Covers of finite geometries with non-spherical minimal circuit diagram. *Lecture Notes in Mathematics*, 1181:218–241, 1986. CODEN LNMAA2. ISBN 3-540-16466-9 (print), 3-540-39801-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075517/>.

Passare:1987:CME

- [Pas87a] Mikael Passare. Courants meromorphes et égalité de la valeur principale et de la partie finie. (French) []. *Lecture Notes in Mathematics*, 1295:157–166, 1987. CODEN LNMAA2. ISBN 3-540-18691-3 (print), 3-540-48084-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081982/>.

Paszkowski:1987:QGR

- [Pas87b] Stefan Paszkowski. Quelques generalisations de la representation de reels par des fractions continues. (French) []. *Lecture Notes in Mathematics*, 1237:228–238, 1987. CODEN LNMAA2. ISBN

3-540-17212-2 (print), 3-540-47412-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072467/>.

Paszkiewicz:1989:CAT

- [Pas89] Adam Paszkiewicz. Convergences in W^* -algebras — their strange behaviour and tools for their investigation. *Lecture Notes in Mathematics*, 1396:279–294, 1989. CODEN LNMAA2. ISBN 3-540-51613-1 (print), 3-540-46713-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083558/>.

Pati:1987:CAV

- [Pat87] Vishwambhar Pati. L^2 -cohomology of algebraic varieties in the Fubini metric. *Lecture Notes in Mathematics*, 1246:154–164, 1987. CODEN LNMAA2. ISBN 3-540-17743-4 (print), 3-540-47794-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077537/>.

Paterson:1988:CLC

- [Pat88] Alan L. T. Paterson. The class of locally compact groups G for which $C^*(G)$ is amenable. *Lecture Notes in Mathematics*, 1359:226–237, 1988. CODEN LNMAA2. ISBN 3-540-50524-5 (print), 3-540-46032-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086603/>.

Paul:1986:CDA

- [Pau86] T. Paul. A characterization of dilation-analytic operators. *Lecture Notes in Mathematics*, 1218:179–189, 1986. CODEN LNMAA2. ISBN 3-540-16826-5 (print), 3-540-47119-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073050/>.

Pavlista:1985:SEL

- [Pav85] Targo Pavlista. Small eigenvalues of the Laplacian and examples. *Lecture Notes in Mathematics*, 1156:254–263, 1985. CODEN LNMAA2. ISBN 3-540-15994-0 (print), 3-540-39698-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075097/>.

Pavel:1987:APD

- [Pav87a] Nicolae H. Pavel. Applications to partial differential equations. *Lecture Notes in Mathematics*, 1260:152–233, 1987. CODEN LNMAA2. ISBN 3-540-17974-7 (print), 3-540-47186-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077771/>.

Pavel:1987:NEOa

- [Pav87b] Nicolae H. Pavel. Nonlinear evolution operators. *Lecture Notes in Mathematics*, 1260:1–60, 1987. CODEN LNMAA2. ISBN 3-540-17974-7 (print), 3-540-47186-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077769/>.

Pavel:1987:NEOb

- [Pav87c] Nicolae H. Pavel. *Nonlinear Evolution Operators and Semigroups: Applications to Partial Differential Equations*, volume 1260 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-17974-7 (print), 3-540-47186-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). vi + 285 pp. LCCN QA3.L28 no. 1260. URL [http://link.springer.com/book/10.1007/BFb0077768](http://link.springer.com/book/10.1007/BFb0077768;); <http://www.springerlink.com/content/978-3-540-47186-8>.

Pavel:1987:NS

- [Pav87d] Nicolae H. Pavel. Nonlinear semigroups. *Lecture Notes in Mathematics*, 1260:61–151, 1987. CODEN LNMAA2. ISBN 3-540-17974-7 (print), 3-540-47186-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077770/>.

Pawlucki:1985:QRB

- [Paw85] Wiesław Pawłucki. Quasi-regular boundary and Stokes' formula for a sub-analytic leaf. *Lecture Notes in Mathematics*, 1165:235–252, 1985. CODEN LNMAA2. ISBN 3-540-16050-7 (print), 3-540-39734-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076157/>.

Pedersen:1985:TAS

- [Ped85] Erik Kjaer Pedersen. Topological $H_0 \times H_1$ -actions on spheres and linking numbers. *Lecture Notes in Mathematics*, 1172:163–

166, 1985. CODEN LNMAA2. ISBN 3-540-16061-2 (print), 3-540-39745-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074430/>.

Peetre:1988:MRL

- [Pee88] Jaak Peetre. Marcel Riesz in Lund. *Lecture Notes in Mathematics*, 1302:1–10, 1988. CODEN LNMAA2. ISBN 3-540-18905-X (print), 3-540-38841-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078859/>.

Persson:1985:DSS

- [Per85] Ulf Persson. Double sextics and singular K -3 surfaces. *Lecture Notes in Mathematics*, 1124:262–328, 1985. CODEN LNMAA2. ISBN 3-540-15232-6 (print), 3-540-39643-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075003/>.

Peternell:1986:RCM

- [Pet86] Thomas Peternell. Rational curves in Moisëzon 3-folds. *Lecture Notes in Mathematics*, 1194:133–144, 1986. CODEN LNMAA2. ISBN 3-540-16490-1 (print), 3-540-39829-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077000/>.

Petz:1988:CEQ

- [Pet88] Dénes Petz. Conditional expectation in quantum probability. *Lecture Notes in Mathematics*, 1303:251–260, 1988. CODEN LNMAA2. ISBN 3-540-18919-X (print), 3-540-38846-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078067/>.

Petho:1989:RBC

- [Pet89a] Attila Pethő. On the representation of 1 by binary cubic forms with positive discriminant. *Lecture Notes in Mathematics*, 1380:185–196, 1989. CODEN LNMAA2. ISBN 3-540-51397-3 (print), 3-540-46205-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086553/>.

Petkovic:1989:BC

- [Pet89b] Miodrag Petković. Basic concepts. *Lecture Notes in Mathematics*, 1387:10–30, 1989. CODEN LNMAA2. ISBN 3-540-51485-6

(print), 3-540-48174-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083601/>.

Petkovic:1989:BPP

- [Pet89c] Miodrag Petković. Bell's polynomials and parallel disk iterations. *Lecture Notes in Mathematics*, 1387:163–220, 1989. CODEN LNMAA2. ISBN 3-540-51485-6 (print), 3-540-48174-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083604/>.

Petkovic:1989:CES

- [Pet89d] Miodrag Petković. Computational efficiency of simultaneous methods. *Lecture Notes in Mathematics*, 1387:221–249, 1989. CODEN LNMAA2. ISBN 3-540-51485-6 (print), 3-540-48174-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083605/>.

Petkovic:1989:GRI

- [Pet89e] Miodrag Petković. Generalized root iterations. *Lecture Notes in Mathematics*, 1387:69–162, 1989. CODEN LNMAA2. ISBN 3-540-51485-6 (print), 3-540-48174-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083603/>.

Petkovic:1989:I

- [Pet89f] Miodrag Petković. Introduction. *Lecture Notes in Mathematics*, 1387:1–9, 1989. CODEN LNMAA2. ISBN 3-540-51485-6 (print), 3-540-48174-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083600/>.

Petkovic:1989:IMD

- [Pet89g] Miodrag Petković. Iterative methods without derivatives. *Lecture Notes in Mathematics*, 1387:31–68, 1989. CODEN LNMAA2. ISBN 3-540-51485-6 (print), 3-540-48174-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083602/>.

Petz:1989:PMM

- [Pet89h] Dénes Petz. Positive mappings on matrix algebras. *Lecture Notes in Mathematics*, 1396:295–303, 1989. CODEN LNMAA2. ISBN 3-540-51613-1 (print), 3-540-46713-0 (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083559/>.

Peng:1989:RIP

- [PH89] Chia-Kuei Peng and Zixin Hou. A remark on the isoparametric polynomials of degree 6. *Lecture Notes in Mathematics*, 1369: 222–224, 1989. CODEN LNMAA2. ISBN 3-540-51037-0 (print), 3-540-46137-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087535/>.

Phelps:1989:ASR

- [Phe89a] Robert R. Phelps. Asplund spaces, the Radon–Nikodým property and optimization. *Lecture Notes in Mathematics*, 1364:72–89, 1989. CODEN LNMAA2. ISBN 3-540-50735-3 (print), 3-662-21569-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21569-2_5/.

Phelps:1989:BM

- [Phe89b] Robert R. Phelps. Back matter. *Lecture Notes in Mathematics*, 1364:108–118, 1989. CODEN LNMAA2. ISBN 3-540-50735-3 (print), 3-662-21569-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-662-21569-2/1.pdf>.

Phelps:1989:CFR

- [Phe89c] Robert R. Phelps. Convex functions on real Banach spaces. *Lecture Notes in Mathematics*, 1364:1–16, 1989. CODEN LNMAA2. ISBN 3-540-50735-3 (print), 3-662-21569-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21569-2_1/.

Phelps:1989:FM

- [Phe89d] Robert R. Phelps. Front matter. *Lecture Notes in Mathematics*, 1364:I–IX, 1989. CODEN LNMAA2. ISBN 3-540-50735-3 (print), 3-662-21569-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-662-21569-2/1.pdf>.

Phelps:1989:GDS

- [Phe89e] Robert R. Phelps. Gâteaux differentiability spaces. *Lecture Notes in Mathematics*, 1364:90–96, 1989. CODEN LNMAA2. ISBN

3-540-50735-3 (print), 3-662-21569-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21569-2_6/.

Phelps:1989:GMO

- [Phe89f] Robert R. Phelps. A generalization of monotone operators: Usco maps. *Lecture Notes in Mathematics*, 1364:97–103, 1989. CODEN LNMAA2. ISBN 3-540-50735-3 (print), 3-662-21569-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21569-2_7/.

Phelps:1989:LSC

- [Phe89g] Robert R. Phelps. Lower semicontinuous convex functions. *Lecture Notes in Mathematics*, 1364:40–63, 1989. CODEN LNMAA2. ISBN 3-540-50735-3 (print), 3-662-21569-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21569-2_3/.

Phelps:1989:MOS

- [Phe89h] Robert R. Phelps. Monotone operators, subdifferentials and Asplund spaces. *Lecture Notes in Mathematics*, 1364:17–39, 1989. CODEN LNMAA2. ISBN 3-540-50735-3 (print), 3-662-21569-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21569-2_2/.

Phelps:1989:NR

- [Phe89i] Robert R. Phelps. Notes and remarks. *Lecture Notes in Mathematics*, 1364:104–107, 1989. CODEN LNMAA2. ISBN 3-540-50735-3 (print), 3-662-21569-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21569-2_8/.

Phelps:1989:SVP

- [Phe89j] Robert R. Phelps. A smooth variational principle and more about Asplund spaces. *Lecture Notes in Mathematics*, 1364:64–71, 1989. CODEN LNMAA2. ISBN 3-540-50735-3 (print), 3-662-21569-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-662-21569-2_4/.

Phillips:1987:AA

- [Phi87a] N. Christopher Phillips. Af algebras. *Lecture Notes in Mathematics*, 1274:286–328, 1987. CODEN LNMAA2. ISBN 3-540-18277-2 (print), 3-540-47868-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078666/>.

Phillips:1987:BPF

- [Phi87b] N. Christopher Phillips. Basic properties of K -freeness. *Lecture Notes in Mathematics*, 1274:131–166, 1987. CODEN LNMAA2. ISBN 3-540-18277-2 (print), 3-540-47868-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078661/>.

Phillips:1987:ETC

- [Phi87c] N. Christopher Phillips. Equivariant K -theory of C^* -algebras. *Lecture Notes in Mathematics*, 1274:12–67, 1987. CODEN LNMAA2. ISBN 3-540-18277-2 (print), 3-540-47868-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078659/>.

Phillips:1987:ICC

- [Phi87d] N. Christopher Phillips. Introduction: The commutative case. *Lecture Notes in Mathematics*, 1274:1–11, 1987. CODEN LNMAA2. ISBN 3-540-18277-2 (print), 3-540-47868-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078658/>.

Phillips:1987:IET

- [Phi87e] N. Christopher Phillips. Introduction to equivariant KK -theory. *Lecture Notes in Mathematics*, 1274:68–130, 1987. CODEN LNMAA2. ISBN 3-540-18277-2 (print), 3-540-47868-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078660/>.

Phillips:1987:FSS

- [Phi87f] N. Christopher Phillips. K -freeness, saturation, and the strong Connes spectrum. *Lecture Notes in Mathematics*, 1274:236–274, 1987. CODEN LNMAA2. ISBN 3-540-18277-2 (print), 3-540-47868-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078664/>.

Phillips:1987:S

- [Phi87g] N. Christopher Phillips. Subgroups. *Lecture Notes in Mathematics*, 1274:167–188, 1987. CODEN LNMAA2. ISBN 3-540-18277-2 (print), 3-540-47868-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078662/>.

Phillips:1987:TP

- [Phi87h] N. Christopher Phillips. Tensor products. *Lecture Notes in Mathematics*, 1274:189–235, 1987. CODEN LNMAA2. ISBN 3-540-18277-2 (print), 3-540-47868-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078663/>.

Phillips:1987:TA

- [Phi87i] N. Christopher Phillips. Type I algebras. *Lecture Notes in Mathematics*, 1274:275–285, 1987. CODEN LNMAA2. ISBN 3-540-18277-2 (print), 3-540-47868-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078665/>.

Picco:1985:ABS

- [Pic85] P. Picco. On the absence of breakdown of symmetry for the plane rotator model with long range unbounded random interaction. *Lecture Notes in Mathematics*, 1109:148–154, 1985. CODEN LNMAA2. ISBN 3-540-13914-1 (print), 3-540-39138-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101542/>.

Picard:1986:CPS

- [Pic86] Jean Picard. Une classe de processus stable par retournement du temps. (French) []. *Lecture Notes in Mathematics*, 1204:56–67, 1986. CODEN LNMAA2. ISBN 3-540-16779-X (print), 3-540-39860-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075712/>.

Piccioni:1987:CID

- [Pic87] M. Piccioni. Convergence of implicit discretization schemes for linear differential equations with application to filtering. *Lecture Notes in Mathematics*, 1236:208–229, 1987. CODEN LNMAA2. ISBN 3-540-17211-4 (print), 3-540-47408-0 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072892/>.

Picard:1988:ASD

- [Pic88] Jean Picard. Approximation of stochastic differential equations and application of the stochastic calculus of variations to the rate of convergence. *Lecture Notes in Mathematics*, 1316:267–287, 1988. CODEN LNMAA2. ISBN 3-540-19315-4 (print), 3-540-39186-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081935/>.

Picard:1989:MCF

- [Pic89a] Jean Picard. Martingales sur le cercle. (French) []. *Lecture Notes in Mathematics*, 1372:147–160, 1989. CODEN LNMAA2. ISBN 3-540-51191-1 (print), 3-540-46176-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083967/>.

Piccioni:1989:GWT

- [Pic89b] Mauro Piccioni. A generalization of Wahba's theorem on the equivalence between spline smoothing and Bayesian estimation. *Lecture Notes in Mathematics*, 1390:205–220, 1989. CODEN LNMAA2. ISBN 3-540-51510-0 (print), 3-540-48200-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083948/>.

Piene:1985:PET

- [Pie85] Ragni Piene. On the problem of enumerating twisted cubics. *Lecture Notes in Mathematics*, 1124:329–337, 1985. CODEN LNMAA2. ISBN 3-540-15232-6 (print), 3-540-39643-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075004/>.

Piedra:1988:SRI

- [Pie88a] René Piedra. On simultaneous rational interpolants of type (α, β) . *Lecture Notes in Mathematics*, 1354:188–198, 1988. CODEN LNMAA2. ISBN 3-540-50443-5 (print), 3-540-46005-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089596/>.

Pier:1988:SVE

- [Pie88b] Jean-Paul Pier. Some views on the evolution of harmonic analysis. *Lecture Notes in Mathematics*, 1359:1–15, 1988. CODEN LNMAA2. ISBN 3-540-50524-5 (print), 3-540-46032-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086585/>.

Pierce:1989:ARP

- [Pie89a] John F. Pierce. The analysis of the reduced problem. *Lecture Notes in Mathematics*, 1377:117–139, 1989. CODEN LNMAA2. ISBN 3-540-51304-3 (print), 3-540-46190-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0093786/>.

Pierce:1989:CAP

- [Pie89b] John F. Pierce. Conclusions and additional problems. *Lecture Notes in Mathematics*, 1377:163–166, 1989. CODEN LNMAA2. ISBN 3-540-51304-3 (print), 3-540-46190-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0093788/>.

Pierce:1989:I

- [Pie89c] John F. Pierce. Introduction. *Lecture Notes in Mathematics*, 1377:1–6, 1989. CODEN LNMAA2. ISBN 3-540-51304-3 (print), 3-540-46190-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0093781/>.

Pierce:1989:RBPa

- [Pie89d] John F. Pierce. The reduction of the bifurcation problem. *Lecture Notes in Mathematics*, 1377:90–116, 1989. CODEN LNMAA2. ISBN 3-540-51304-3 (print), 3-540-46190-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0093785/>.

Pierce:1989:RBPb

- [Pie89e] John F. Pierce. The results for the bifurcation problem. *Lecture Notes in Mathematics*, 1377:140–162, 1989. CODEN LNMAA2. ISBN 3-540-51304-3 (print), 3-540-46190-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0093787/>.

Pierce:1989:REP

- [Pie89f] John F. Pierce. The rod equilibrium problem. *Lecture Notes in Mathematics*, 1377:66–89, 1989. CODEN LNMAA2. ISBN 3-540-51304-3 (print), 3-540-46190-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0093784/>.

Pierce:1989:SC

- [Pie89g] John F. Pierce. The spaces of configurations. *Lecture Notes in Mathematics*, 1377:7–31, 1989. CODEN LNMAA2. ISBN 3-540-51304-3 (print), 3-540-46190-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0093782/>.

Pierce:1989:SL

- [Pie89h] John F. Pierce. The spaces of loads. *Lecture Notes in Mathematics*, 1377:32–65, 1989. CODEN LNMAA2. ISBN 3-540-51304-3 (print), 3-540-46190-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0093783/>.

Pike:1986:BM

- [Pik86a] E. R. Pike. Back matter. *Lecture Notes in Mathematics*, 1225:201–209, 1986. CODEN LNMAA2. ISBN 3-540-17193-2 (print), 3-540-47353-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-540-47353-4/1.pdf>.

Pike:1986:ISF

- [Pik86b] E. R. Pike. On the inversion of some first-kind Fredholm equations occurring in optical applications. *Lecture Notes in Mathematics*, 1225:182–200, 1986. CODEN LNMAA2. ISBN 3-540-17193-2 (print), 3-540-47353-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072664/>.

Pillay:1987:SST

- [Pil87] Anand Pillay. Simple superstable theories. *Lecture Notes in Mathematics*, 1292:247–263, 1987. CODEN LNMAA2. ISBN 3-540-18674-3 (print), 3-540-48049-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082241/>.

Pinsky:1986:MET

- [Pin86] Mark A. Pinsky. Mean exit times and hitting probabilities of Brownian motion in geodesic balls and tubular neighborhoods. *Lecture Notes in Mathematics*, 1158:216–223, 1986. CODEN LNMAA2. ISBN 3-540-15998-3 (print), 3-540-39703-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080220/>.

Pirillo:1987:PPS

- [Pir87] Giuseppe Pirillo. On permutation properties for semigroups. *Lecture Notes in Mathematics*, 1281:118–119, 1987. CODEN LNMAA2. ISBN 3-540-18399-X (print), 3-540-47948-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078697>.

Pirola:1989:NSG

- [Pir89] Gian Pietro Pirola. On the Néron–Severi groups of the surfaces of special divisors. *Lecture Notes in Mathematics*, 1389:242–245, 1989. CODEN LNMAA2. ISBN 3-540-51509-7 (print), 3-540-48188-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085935/>.

Pisier:1986:PMG

- [Pis86] Gilles Pisier. Probabilistic methods in the geometry of Banach spaces. *Lecture Notes in Mathematics*, 1206:167–241, 1986. CODEN LNMAA2. ISBN 3-540-16787-0 (print), 3-540-40955-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076302/>.

Pitman:1987:SE

- [Pit87] Jim Pitman. Stationary excursions. *Lecture Notes in Mathematics*, 1247:289–302, 1987. CODEN LNMAA2. ISBN 3-540-17768-X (print), 3-540-47814-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077643/>.

Pixley:1985:PCF

- [Pix85] A. F. Pixley. Principal congruence formulas in arithmetical varieties. *Lecture Notes in Mathematics*, 1149:238–254, 1985. CODEN LNMAA2. ISBN 3-540-15691-7 (print), 3-540-39638-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098468/>.

Plesniak:1987:PCL

- [Ple87] Wiesław Pleśniak. Polynomial condition of Leja. *Lecture Notes in Mathematics*, 1237:41–45, 1987. CODEN LNMAA2. ISBN 3-540-17212-2 (print), 3-540-47412-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072452/>.

Plotkin:1988:GTD

- [Plo88] B. I. Plotkin. Galois theory of databases. *Lecture Notes in Mathematics*, 1352:147–161, 1988. CODEN LNMAA2. ISBN 3-540-50371-4 (print), 3-540-45994-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082023/>.

Palais:1988:ACP

- [PIT88a] Richard S. Palais and Chuu liang Terng. Advanced critical point theory. *Lecture Notes in Mathematics*, 1353:223–232, 1988. CODEN LNMAA2. ISBN 3-540-50399-4 (print), 3-540-45996-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087452/>.

Palais:1988:BM

- [PIT88b] Richard S. Palais and Chuu liang Terng. Back matter. *Lecture Notes in Mathematics*, 1353:??, 1988. CODEN LNMAA2. ISBN 3-540-50399-4 (print), 3-540-45996-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-540-45996-5/1.pdf>.

Palais:1988:CV

- [PIT88c] Richard S. Palais and Chuu liang Terng. The calculus of variations. *Lecture Notes in Mathematics*, 1353:233–259, 1988. CODEN LNMAA2. ISBN 3-540-50399-4 (print), 3-540-45996-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087453/>.

Palais:1988:ECP

- [PIT88d] Richard S. Palais and Chuu liang Terng. Elementary critical point theory. *Lecture Notes in Mathematics*, 1353:181–222, 1988. CODEN LNMAA2. ISBN 3-540-50399-4 (print), 3-540-45996-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087451/>.

Palais:1988:FP

- [PIT88e] Richard S. Palais and Chuu liang Terng. Focal points. *Lecture Notes in Mathematics*, 1353:65–71, 1988. CODEN LNMAA2. ISBN 3-540-50399-4 (print), 3-540-45996-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087446/>.

Palais:1988:FM

- [PIT88f] Richard S. Palais and Chuu liang Terng. Front matter. *Lecture Notes in Mathematics*, 1353:??, 1988. CODEN LNMAA2. ISBN 3-540-50399-4 (print), 3-540-45996-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-540-45996-5/1.pdf>.

Palais:1988:IS

- [PIT88g] Richard S. Palais and Chuu liang Terng. Isoparametric submanifolds. *Lecture Notes in Mathematics*, 1353:106–139, 1988. CODEN LNMAA2. ISBN 3-540-50399-4 (print), 3-540-45996-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087448/>.

Palais:1988:LGS

- [PIT88h] Richard S. Palais and Chuu liang Terng. Local geometry of submanifolds. *Lecture Notes in Mathematics*, 1353:25–42, 1988. CODEN LNMAA2. ISBN 3-540-50399-4 (print), 3-540-45996-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087444/>.

Palais:1988:P

- [PIT88i] Richard S. Palais and Chuu liang Terng. Preliminaries. *Lecture Notes in Mathematics*, 1353:3–24, 1988. CODEN LNMAA2. ISBN 3-540-50399-4 (print), 3-540-45996-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087443/>.

Palais:1988:PFS

- [PIT88j] Richard S. Palais and Chuu liang Terng. Proper Fredholm submanifolds in Hilbert spaces. *Lecture Notes in Mathematics*, 1353:140–149, 1988. CODEN LNMAA2. ISBN 3-540-50399-4 (print), 3-540-45996-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087449/>.

Palais:1988:TIS

- [PIT88k] Richard S. Palais and Chuu liang Terng. Topology of isoparametric submanifolds. *Lecture Notes in Mathematics*, 1353:150–177, 1988. CODEN LNMAA2. ISBN 3-540-50399-4 (print), 3-540-45996-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087450/>.

Palais:1988:TG

- [PIT88l] Richard S. Palais and Chuu liang Terng. Transformation groups. *Lecture Notes in Mathematics*, 1353:72–105, 1988. CODEN LNMAA2. ISBN 3-540-50399-4 (print), 3-540-45996-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087447/>.

Palais:1988:WST

- [PIT88m] Richard S. Palais and Chuu liang Terng. Weingarten surfaces in three dimensional space forms. *Lecture Notes in Mathematics*, 1353:43–64, 1988. CODEN LNMAA2. ISBN 3-540-50399-4 (print), 3-540-45996-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087445/>.

Plucinska:1985:CGD

- [Plu85] Agnieszka Plucińska. A characterization of Gaussian distribution by the linearity of conditional moments. *Lecture Notes in Mathematics*, 1155:310–319, 1985. CODEN LNMAA2. ISBN 3-540-15985-1 (print), 3-540-39686-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074825/>.

Plucinska:1989:SPS

- [Plu89] A. Plucińska. Some properties of stochastic processes with linear regression. *Lecture Notes in Mathematics*, 1412:280–287, 1989. CODEN LNMAA2. ISBN 3-540-51948-3 (print), 3-540-46863-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084180/>.

Perez:1989:DIB

- [PM89] P. L. García Pérez and J. Muñoz Masqué. Differential invariants on the bundles of g -structures. *Lecture Notes in Mathematics*, 1410:177–201, 1989. CODEN LNMAA2. ISBN 3-540-51885-1

(print), 3-540-46858-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086422/>.

Pohlers:1989:AOI

- [Poh89a] Wolfram Pohlers. The autonomous ordinal of the infinitary system Z_∞ and the limits of predicativity. *Lecture Notes in Mathematics*, 1407:77–108, 1989. CODEN LNMAA2. ISBN 3-540-51842-8 (print), 3-540-46825-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-540-46825-7_3/.

Pohlers:1989:BM

- [Poh89b] Wolfram Pohlers. Back matter. *Lecture Notes in Mathematics*, 1407:187–213, 1989. CODEN LNMAA2. ISBN 3-540-51842-8 (print), 3-540-46825-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-540-46825-7/1.pdf>.

Pohlers:1989:FM

- [Poh89c] Wolfram Pohlers. Front matter. *Lecture Notes in Mathematics*, 1407:I–VIII, 1989. CODEN LNMAA2. ISBN 3-540-51842-8 (print), 3-540-46825-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-540-46825-7/1.pdf>.

Pohlers:1989:I

- [Poh89d] Wolfram Pohlers. Introduction. *Lecture Notes in Mathematics*, 1407:1–6, 1989. CODEN LNMAA2. ISBN 3-540-51842-8 (print), 3-540-46825-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-540-46825-7_1/.

Pohlers:1989:OAP

- [Poh89e] Wolfram Pohlers. Ordinal analysis of pure number theory. *Lecture Notes in Mathematics*, 1407:7–76, 1989. CODEN LNMAA2. ISBN 3-540-51842-8 (print), 3-540-46825-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-540-46825-7_2/.

Pohlers:1989:OAF

- [Poh89f] Wolfram Pohlers. Ordinal analysis of the formal theory for noniterated inductive definitions. *Lecture Notes in Mathematics*, 1407:

109–186, 1989. CODEN LNMAA2. ISBN 3-540-51842-8 (print), 3-540-46825-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-540-46825-7_4/.

Poly:1986:PBM

- [Pol86] J.-B. Poly. Problème des bords: Maximale complexité forte. *Lecture Notes in Mathematics*, 1198:196–205, 1986. CODEN LNMAA2. ISBN 3-540-16762-5 (print), 3-540-38729-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077054/>.

Pomerance:1985:DRN

- [Pom85] Carl Pomerance. On the distribution of round numbers. *Lecture Notes in Mathematics*, 1122:173–200, 1985. CODEN LNMAA2. ISBN 3-540-15222-9 (print), 3-540-39642-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075761/>.

Pommerening:1987:IUG

- [Pom87] Klaus Pommerening. Invariants of unipotent groups. *Lecture Notes in Mathematics*, 1278:8–17, 1987. CODEN LNMAA2. ISBN 3-540-18360-4 (print), 3-540-47908-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078802/>; <http://link.springer.com/chapter/10.1007/BFb0078803/>.

Ponce:1988:IVP

- [Pon88] Gustavo Ponce. The initial value problem for Euler and Navier–Stokes equations in $L^p_g(\mathbf{R}^2)$. *Lecture Notes in Mathematics*, 1324:245–252, 1988. CODEN LNMAA2. ISBN 3-540-50111-8 (print), 3-540-45928-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100796/>.

Popov:1987:IBE

- [Pop87a] V. A. Popov. On the inequalities of Berry–Esseen and V. M. Zolotarev. *Lecture Notes in Mathematics*, 1233:114–124, 1987. CODEN LNMAA2. ISBN 3-540-17204-1 (print), 3-540-47394-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072717/>.

Popov:1987:A

- [Pop87b] V. L. Popov. On actions of \mathbf{G}_a on \mathbf{A}^n . *Lecture Notes in Mathematics*, 1271:237–242, 1987. CODEN LNMAA2. ISBN 3-540-18234-9 (print), 3-540-47834-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079241/>.

Porru:1985:CMV

- [Por85] Giovanni Porru. On the continuity of the minima of variational integrals in Orlicz–Sobolev spaces. *Lecture Notes in Mathematics*, 1165:253–260, 1985. CODEN LNMAA2. ISBN 3-540-16050-7 (print), 3-540-39734-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076158/>.

Pourcin:1988:DSH

- [Pou88] Geneviève Pourcin. Deformations of singular holomorphic foliations on reduced compact \mathbf{C} -analytic spaces. *Lecture Notes in Mathematics*, 1345:246–255, 1988. CODEN LNMAA2. ISBN 3-540-50226-2 (print), 3-540-45957-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081405/>.

Povoas:1986:SSH

- [Pov86] M. Povoas. On some singular hyperbolic evolution equations in Hilbert spaces. *Lecture Notes in Mathematics*, 1223:208–215, 1986. CODEN LNMAA2. ISBN 3-540-17191-6 (print), 3-540-47350-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099194/>.

Pozo:1988:TIO

- [Poz88] M. A. Jiménez Pozo. On the trajectories of inclined oil-wells. *Lecture Notes in Mathematics*, 1354:164–168, 1988. CODEN LNMAA2. ISBN 3-540-50443-5 (print), 3-540-46005-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089593/>.

Palagallo-Price:1987:PPO

- [PPP87] Judith Palagallo-Price and Thomas E. Price. Properties of projections obtained by averaging certain polynomial interpolants. *Lecture Notes in Mathematics*, 1287:132–145, 1987. CODEN LNMAA2. ISBN 3-540-18500-3 (print), 3-540-47991-0 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078902/>.

Palis:1985:TIN

- [PR85a] J. Palis and R. Roussarie. Topological invariants as numbers of translation. *Lecture Notes in Mathematics*, 1125:64–86, 1985. CODEN LNMAA2. ISBN 3-540-15233-4 (print), 3-540-39411-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075635/>.

Peitgen:1985:MSM

- [PR85b] Heinz-Otto Peitgen and Peter H. Richter. The Mandelbrot set in a model for phase transitions. *Lecture Notes in Mathematics*, 1111:111–134, 1985. CODEN LNMAA2. ISBN 3-540-15195-8 (print), 3-540-39298-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084587/>.

Pino:1985:DUE

- [PR85c] Ramon Pino and Jean-Pierre Ressayre. Definable ultrafilters and elementary end extensions. *Lecture Notes in Mathematics*, 1130:341–350, 1985. CODEN LNMAA2. ISBN 3-540-15236-9 (print), 3-540-39414-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075317/>.

Park:1989:CHP

- [PR89a] Jae Keol Park and Klaus W. Roggenkamp. A characterization of hereditary P.I. rings. *Lecture Notes in Mathematics*, 1398:140–145, 1989. CODEN LNMAA2. ISBN 3-540-51695-6 (print), 3-540-46756-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086250/>.

Poffald:1989:DI

- [PR89b] Esteban I. Poffald and Simeon Reich. A difference inclusion. *Lecture Notes in Mathematics*, 1394:122–130, 1989. CODEN LNMAA2. ISBN 3-540-51594-1 (print), 3-540-46679-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086757/>.

Praagman:1985:ILA

- [Pra85] C. Praagman. Iterations and logarithms of automorphisms of complete local rings. *Lecture Notes in Mathematics*, 1163:131–

134, 1985. CODEN LNMAA2. ISBN 3-540-16067-1 (print), 3-540-39749-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076426/>.

Pratelli:1988:ISG

- [Pra88] Maurizio Pratelli. Intégration stochastique et géométrie des espaces de Banach. (French) []. *Lecture Notes in Mathematics*, 1321:129–137, 1988. CODEN LNMAA2. ISBN 3-540-19351-0 (print), 3-540-39228-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084127/>.

Prestel:1985:APF

- [Pre85] Alexander Prestel. On the axiomatization of PRC-fields. *Lecture Notes in Mathematics*, 1130:351–359, 1985. CODEN LNMAA2. ISBN 3-540-15236-9 (print), 3-540-39414-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075318/>.

Presutti:1987:CPS

- [Pre87] Errico Presutti. Collective phenomena in stochastic particle systems. *Lecture Notes in Mathematics*, 1250:195–232, 1987. CODEN LNMAA2. ISBN 3-540-17797-3 (print), 3-540-47835-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077359/>.

Preston:1988:CCI

- [Pre88a] Chris Preston. Countable closed invariant sets. *Lecture Notes in Mathematics*, 1347:103–111, 1988. CODEN LNMAA2. ISBN 3-540-50329-3 (print), 3-540-45971-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079778/>.

Preston:1988:ERS

- [Pre88b] Chris Preston. Examples of register-shifts. *Lecture Notes in Mathematics*, 1347:50–56, 1988. CODEN LNMAA2. ISBN 3-540-50329-3 (print), 3-540-45971-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079774/>.

Preston:1988:E

- [Pre88c] Chris Preston. Extensions. *Lecture Notes in Mathematics*, 1347:112–125, 1988. CODEN LNMAA2. ISBN 3-540-50329-3 (print),

3-540-45971-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079779/>.

Preston:1988:I

- [Pre88d] Chris Preston. Introduction. *Lecture Notes in Mathematics*, 1347: 1–19, 1988. CODEN LNMAA2. ISBN 3-540-50329-3 (print), 3-540-45971-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079770/>.

Preston:1988:MOT

- [Pre88e] Chris Preston. Mappings with one turning point. *Lecture Notes in Mathematics*, 1347:135–152, 1988. CODEN LNMAA2. ISBN 3-540-50329-3 (print), 3-540-45971-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079781/>.

Preston:1988:PMM

- [Pre88f] Chris Preston. Piecewise monotone mappings. *Lecture Notes in Mathematics*, 1347:20–33, 1988. CODEN LNMAA2. ISBN 3-540-50329-3 (print), 3-540-45971-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079771/>.

Preston:1988:PPT

- [Pre88g] Chris Preston. A proof of Parry’s theorem (theorem 2.6). *Lecture Notes in Mathematics*, 1347:57–67, 1988. CODEN LNMAA2. ISBN 3-540-50329-3 (print), 3-540-45971-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079775/>.

Preston:1988:PT

- [Pre88h] Chris Preston. Proof of theorems 2.4 and 2.5. *Lecture Notes in Mathematics*, 1347:34–40, 1988. CODEN LNMAA2. ISBN 3-540-50329-3 (print), 3-540-45971-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079772/>.

Preston:1988:Ra

- [Pre88i] Chris Preston. Reductions. *Lecture Notes in Mathematics*, 1347: 68–81, 1988. CODEN LNMAA2. ISBN 3-540-50329-3 (print), 3-540-45971-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (elec-

tronic). URL <http://link.springer.com/chapter/10.1007/BFb0079776/>.

Preston:1988:Rb

- [Pre88j] Chris Preston. Refinements. *Lecture Notes in Mathematics*, 1347:126–134, 1988. CODEN LNMAA2. ISBN 3-540-50329-3 (print), 3-540-45971-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079780/>.

Preston:1988:SH

- [Pre88k] Chris Preston. Sinks and homtervals. *Lecture Notes in Mathematics*, 1347:41–49, 1988. CODEN LNMAA2. ISBN 3-540-50329-3 (print), 3-540-45971-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079773/>.

Preston:1988:SMR

- [Pre88l] Chris Preston. Some miscellaneous results from real analysis. *Lecture Notes in Mathematics*, 1347:153–159, 1988. CODEN LNMAA2. ISBN 3-540-50329-3 (print), 3-540-45971-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079782/>.

Preston:1988:SS

- [Pre88m] Chris Preston. The structure of the set $D(f)$. *Lecture Notes in Mathematics*, 1347:82–102, 1988. CODEN LNMAA2. ISBN 3-540-50329-3 (print), 3-540-45971-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079777/>.

Pride:1989:SPC

- [Pri89] Stephen J. Pride. Some problems in combinatorial group theory. *Lecture Notes in Mathematics*, 1398:146–155, 1989. CODEN LNMAA2. ISBN 3-540-51695-6 (print), 3-540-46756-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086251/>.

Prodinger:1985:BGP

- [Pro85] Helmut Prodinger. Die Bestimmung Gewisser Parameter Bei Binären Bäumen Mit Hilfe Analytischer Methoden. (German) []. *Lecture Notes in Mathematics*, 1114:118–133, 1985. CODEN LNMAA2. ISBN 3-540-15189-3 (print), 3-540-39281-5 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101650/>.

Prodinger:1987:LTF

- [Pro87] Helmut Prodinger. Über Längste 1-Teilfolgen In 0–1-Folgen. (German) [On the longest 1-part sequence in 0–1-sequences]. *Lecture Notes in Mathematics*, 1262:124–133, 1987. CODEN LNMAA2. ISBN 3-540-18015-X (print), 3-540-47256-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078601/>.

Protter:1989:CBE

- [Pro89] Philip Protter. A connection between the expansion of filtrations and Girsanov's theorem. *Lecture Notes in Mathematics*, 1390:221–224, 1989. CODEN LNMAA2. ISBN 3-540-51510-0 (print), 3-540-48200-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083949/>.

Pruss:1986:PST

- [Prü86] Jan Prüss. Periodic solutions of the thermostat problem. *Lecture Notes in Mathematics*, 1223:216–226, 1986. CODEN LNMAA2. ISBN 3-540-17191-6 (print), 3-540-47350-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099195/>.

Pigozzi:1985:HPC

- [PS85] Don Pigozzi and J. Sichler. Homomorphisms of partial and of complete Steiner triple systems and quasigroups. *Lecture Notes in Mathematics*, 1149:224–237, 1985. CODEN LNMAA2. ISBN 3-540-15691-7 (print), 3-540-39638-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098467/>.

Pan:1987:SSR

- [PS87a] Yanglian Pan and Yibin Shen. Some stability results of harmonic map from a manifold with boundary. *Lecture Notes in Mathematics*, 1255:80–87, 1987. CODEN LNMAA2. ISBN 3-540-17849-X (print), 3-540-47883-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077683/>.

Piatetski-Shapiro:1987:ITK

- [PS87b] I. Piatetski-Shapiro. Invariant theory and Kloosterman sums. *Lecture Notes in Mathematics*, 1271:229–236, 1987. CODEN LNMAA2. ISBN 3-540-18234-9 (print), 3-540-47834-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079240/>.

Pop-Stojanovic:1987:EMP

- [PS87c] Z. R. Pop-Stojanović. Energy in Markov processes. *Lecture Notes in Mathematics*, 1242:374–395, 1987. CODEN LNMAA2. ISBN 3-540-17833-3 (print), 3-540-47876-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072445/>.

Parthasarathy:1988:RCQ

- [PS88a] K. R. Parthasarathy and Kalyan B. Sinha. Representation of a class of quantum martingales II. *Lecture Notes in Mathematics*, 1303:232–250, 1988. CODEN LNMAA2. ISBN 3-540-18919-X (print), 3-540-38846-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078066/>.

Pesin:1988:SMC

- [PS88b] Ya. B. Pesin and Ya. G. Sinai. On stable manifolds for class of two-dimensional diffeomorphisms. *Lecture Notes in Mathematics*, 1346:113–125, 1988. CODEN LNMAA2. ISBN 3-540-50237-8 (print), 3-540-45958-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082774/>.

Pontier:1988:USF

- [PS88c] Monique Pontier and Jacques Szpirglas. Uniqueness of the solutions of the filtering equation with observations on a Riemannian symmetric space. *Lecture Notes in Mathematics*, 1316:328–339, 1988. CODEN LNMAA2. ISBN 3-540-19315-4 (print), 3-540-39186-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081938/>.

Peters:1989:PSR

- [PS89a] C. Peters and J. Stienstra. A pencil of $K3$ -surfaces related to Apéry's recurrence for $\zeta(3)$ and Fermi surfaces for potential zero.

Lecture Notes in Mathematics, 1399:110–127, 1989. CODEN LNMAA2. ISBN 3-540-51729-4 (print), 3-540-46791-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0095972/>.

Piotrowski:1989:CCG

- [PS89b] Wiktor Piotrowski and Maciej M. Sysło. A characterization of centroidal graphs. *Lecture Notes in Mathematics*, 1403:272–281, 1989. CODEN LNMAA2. ISBN 3-540-51797-9 (print), 3-540-46810-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083471/>.

Piatetski-Shapiro:1987:FCG

- [PSR87] I. Piatetski-Shapiro and S. Rallis. L -functions for the classical groups. *Lecture Notes in Mathematics*, 1254:1–52, 1987. CODEN LNMAA2. ISBN 3-540-17848-1 (print), 3-540-47880-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078126/>.

Pontier:1986:TRP

- [PSS86] M. Pontier, C. Stricker, and J. Szpirglas. Sur le théorème de représentation par rapport à l'innovation. (French) []. *Lecture Notes in Mathematics*, 1204:34–39, 1986. CODEN LNMAA2. ISBN 3-540-16779-X (print), 3-540-39860-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075709/>.

Puerta:1988:AHC

- [Pue88] F. Puerta. Applications des hyperrésolutions cubiques à la théorie de Hodge. (French) []. *Lecture Notes in Mathematics*, 1335:87–132, 1988. CODEN LNMAA2. ISBN 3-540-50023-5 (print), 3-540-69984-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085058/>.

Pugliese:1986:SQI

- [Pug86] Andrea Pugliese. Some questions on the integrodifferential equation $u' = AK * u + BM * u$. *Lecture Notes in Mathematics*, 1223:227–242, 1986. CODEN LNMAA2. ISBN 3-540-17191-6 (print), 3-540-47350-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099196/>.

Puppe:1988:SCM

- [Pup88] V. Puppe. Simply connected manifolds without S^1 -symmetry. *Lecture Notes in Mathematics*, 1361:261–268, 1988. CODEN LNMAA2. ISBN 3-540-50528-8 (print), 3-540-46036-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083039/>.

Peterson:1987:RRP

- [PV87] Dale Peterson and Michèle Vergne. Recurrence relations for Plancherel functions. *Lecture Notes in Mathematics*, 1243:240–261, 1987. CODEN LNMAA2. ISBN 3-540-17701-9 (print), 3-540-47775-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073025/>.

Palis:1988:CHD

- [PV88] J. Palis and M. Viana. On the continuity of Hausdorff dimension and limit capacity for horseshoes. *Lecture Notes in Mathematics*, 1331:150–160, 1988. CODEN LNMAA2. ISBN 3-540-50016-2 (print), 3-540-45889-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083071/>.

Paris:1985:CPB

- [PW85a] J. Paris and A. Wilkie. Counting problems in bounded arithmetic. *Lecture Notes in Mathematics*, 1130:317–340, 1985. CODEN LNMAA2. ISBN 3-540-15236-9 (print), 3-540-39414-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075316/>.

Pedersen:1985:NDA

- [PW85b] Erik K. Pedersen and Charles A. Weibel. A nonconnective de-looping of algebraic K -theory. *Lecture Notes in Mathematics*, 1126:166–181, 1985. CODEN LNMAA2. ISBN 3-540-15235-0 (print), 3-540-39413-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074443/>.

Pragacz:1986:CRD

- [PW86] Piotr Pragacz and Jerzy Weyman. On the construction of resolutions of determinantal ideals: a survey. *Lecture Notes in Mathematics*, 1220:73–92, 1986. CODEN LNMAA2. ISBN 3-540-17185-

1 (print), 3-540-47255-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099506/>.

Pisier:1987:RSR

- [PX87] Gilles Pisier and Quanhua Xu. Random series in the real interpolation spaces between the spaces v_p . *Lecture Notes in Mathematics*, 1267:185–209, 1987. CODEN LNMAA2. ISBN 3-540-18103-2 (print), 3-540-47771-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078146/>.

Quaegebeur:1988:MQV

- [Qua88a] Johan Quaegebeur. Mutual quadratic variation and Itô's table in quantum stochastic calculus. *Lecture Notes in Mathematics*, 1303:261–274, 1988. CODEN LNMAA2. ISBN 3-540-18919-X (print), 3-540-38846-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078068/>.

Quasthoff:1988:MPA

- [Qua88b] Uwe Quasthoff. On mixing properties of automorphisms of von Neumann algebras related to measure space transformations. *Lecture Notes in Mathematics*, 1303:275–284, 1988. CODEN LNMAA2. ISBN 3-540-18919-X (print), 3-540-38846-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078069/>.

Queffelec:1987:A

- [Que87a] Martine Queffélec. The algebra $M(T)$. *Lecture Notes in Mathematics*, 1294:1–14, 1987. CODEN LNMAA2. ISBN 3-540-18692-1 (print), 3-540-48088-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081891/>.

Queffelec:1987:BAS

- [Que87b] Martine Queffélec. Bijective automata or substitutions. *Lecture Notes in Mathematics*, 1294:174–189, 1987. CODEN LNMAA2. ISBN 3-540-18692-1 (print), 3-540-48088-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081899/>.

Queffelec:1987:DSAb

- [Que87c] Martine Queffélec. Dynamical systems arising from substitutions. *Lecture Notes in Mathematics*, 1294:87–109, 1987. CODEN LN-MAA2. ISBN 3-540-18692-1 (print), 3-540-48088-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081895/>.

Queffelec:1987:DSAa

- [Que87d] Martine Queffélec. Dynamical systems associated to sequences. *Lecture Notes in Mathematics*, 1294:60–86, 1987. CODEN LN-MAA2. ISBN 3-540-18692-1 (print), 3-540-48088-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081894/>.

Queffelec:1987:ESD

- [Que87e] Martine Queffélec. Eigenvalues of substitution dynamical system. *Lecture Notes in Mathematics*, 1294:110–143, 1987. CODEN LN-MAA2. ISBN 3-540-18692-1 (print), 3-540-48088-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081896/>.

Queffelec:1987:MM

- [Que87f] Martine Queffélec. Matrices of measures. *Lecture Notes in Mathematics*, 1294:144–159, 1987. CODEN LNMAA2. ISBN 3-540-18692-1 (print), 3-540-48088-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081897/>.

Queffelec:1987:MRP

- [Que87g] Martine Queffélec. Matrix Riesz products. *Lecture Notes in Mathematics*, 1294:160–173, 1987. CODEN LNMAA2. ISBN 3-540-18692-1 (print), 3-540-48088-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081898/>.

Queffelec:1987:MST

- [Que87h] Martine Queffélec. Maximal spectral type of general automata. *Lecture Notes in Mathematics*, 1294:190–209, 1987. CODEN LN-MAA2. ISBN 3-540-18692-1 (print), 3-540-48088-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081900/>.

Queffelec:1987:SMG

- [Que87i] Martine Queffélec. Spectral multiplicity of general automata. *Lecture Notes in Mathematics*, 1294:210–224, 1987. CODEN LNMAA2. ISBN 3-540-18692-1 (print), 3-540-48088-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081901/>.

Queffelec:1987:STD

- [Que87j] Martine Queffélec. Spectral theory of dynamical systems. *Lecture Notes in Mathematics*, 1294:35–59, 1987. CODEN LNMAA2. ISBN 3-540-18692-1 (print), 3-540-48088-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081893/>.

Queffelec:1987:STU

- [Que87k] Martine Queffélec. Spectral theory of unitary operators. *Lecture Notes in Mathematics*, 1294:15–34, 1987. CODEN LNMAA2. ISBN 3-540-18692-1 (print), 3-540-48088-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081892/>.

Quinn:1985:GA

- [Qui85a] Frank Quinn. Geometric algebra. *Lecture Notes in Mathematics*, 1126:182–198, 1985. CODEN LNMAA2. ISBN 3-540-15235-0 (print), 3-540-39413-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074444/>.

Quinn:1985:HC

- [Qui85b] Frank Quinn. Handlebodies and 2-complexes. *Lecture Notes in Mathematics*, 1167:245–259, 1985. CODEN LNMAA2. ISBN 3-540-16053-1 (print), 3-540-39738-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075228/>.

Wang:1988:EMT

- [qW88] Zhi qiang Wang. Equivariant Morse theory for isolated critical orbits and its applications to nonlinear problems. *Lecture Notes in Mathematics*, 1306:202–223, 1988. CODEN LNMAA2. ISBN 3-540-19097-X (print), 3-540-39107-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082935/>.

Wu:1989:JPC

- [qW89] Ying qing Wu. Jones polynomial and the crossing number of links. *Lecture Notes in Mathematics*, 1369:286–288, 1989. CODEN LNMAA2. ISBN 3-540-51037-0 (print), 3-540-46137-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087541/>.

Raby:1987:PCF

- [Rab87] Gilles Raby. Paramétrie, cohomologie et formes méromorphes. (French) []. *Lecture Notes in Mathematics*, 1295:167–225, 1987. CODEN LNMAA2. ISBN 3-540-18691-3 (print), 3-540-48084-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081983/>.

Rabinowitz:1988:PSP

- [Rab88] Paul H. Rabinowitz. Periodic solutions of prescribed energy of Hamiltonian systems. *Lecture Notes in Mathematics*, 1324:253–262, 1988. CODEN LNMAA2. ISBN 3-540-50111-8 (print), 3-540-45928-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100797/>.

Rachev:1985:EFS

- [Rac85] S. T. Rachev. Extreme functionals in the space of probability measures. *Lecture Notes in Mathematics*, 1155:320–348, 1985. CODEN LNMAA2. ISBN 3-540-15985-1 (print), 3-540-39686-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074826/>.

Racke:1988:IBV

- [Rac88] Reinhard Racke. Initial boundary value problems in thermoelasticity. *Lecture Notes in Mathematics*, 1357:341–358, 1988. CODEN LNMAA2. ISBN 3-540-50508-3 (print), 3-540-46024-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082874/>.

Radu:1987:SFP

- [Rad87] Viorel Radu. Some fixed point theorems probabilistic metric spaces. *Lecture Notes in Mathematics*, 1233:125–133, 1987. CODEN LNMAA2. ISBN 3-540-17204-1 (print), 3-540-47394-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072718/>.

Rallis:1987:GT

- [Ral87a] Stephen Rallis. Global theory. *Lecture Notes in Mathematics*, 1245:174–199, 1987. CODEN LNMAA2. ISBN 3-540-17694-2 (print), 3-540-47761-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077901/>.

Rallis:1987:IPF

- [Ral87b] Stephen Rallis. Inner product formulae. *Lecture Notes in Mathematics*, 1245:49–86, 1987. CODEN LNMAA2. ISBN 3-540-17694-2 (print), 3-540-47761-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077898/>.

Rallis:1987:FOR

- [Ral87c] Stephen Rallis. *L-Functions and the Oscillator Representation*, volume 1245 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-17694-2 (print), 3-540-47761-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). xvi + 239 pp. LCCN QA3 .L28 no. 1245. URL [http://link.springer.com/book/10.1007/BFb0077894](http://link.springer.com/book/10.1007/BFb0077894;); <http://www.springerlink.com/content/978-3-540-47761-7>.

Rallis:1987:LF

- [Ral87d] Stephen Rallis. Local l -factors. *Lecture Notes in Mathematics*, 1245:128–173, 1987. CODEN LNMAA2. ISBN 3-540-17694-2 (print), 3-540-47761-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077900/>.

Rallis:1987:NP

- [Ral87e] Stephen Rallis. Notation and preliminaries. *Lecture Notes in Mathematics*, 1245:1–9, 1987. CODEN LNMAA2. ISBN 3-540-17694-2 (print), 3-540-47761-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077895/>.

Rallis:1987:SFC

- [Ral87f] Stephen Rallis. Siegel formula — compact case. *Lecture Notes in Mathematics*, 1245:87–127, 1987. CODEN LNMAA2. ISBN 3-540-17694-2 (print), 3-540-47761-6 (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077899/>.

Rallis:1987:SFR

- [Ral87g] Stephen Rallis. Siegel formula revisited. *Lecture Notes in Mathematics*, 1245:25–48, 1987. CODEN LNMAA2. ISBN 3-540-17694-2 (print), 3-540-47761-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077897/>.

Rallis:1987:SES

- [Ral87h] Stephen Rallis. Special Eisenstein series on orthogonal groups. *Lecture Notes in Mathematics*, 1245:10–24, 1987. CODEN LNMAA2. ISBN 3-540-17694-2 (print), 3-540-47761-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077896/>.

Ranicki:1985:ATT

- [Ran85] Andrew Ranicki. The algebraic theory of torsion I. Foundations. *Lecture Notes in Mathematics*, 1126:199–237, 1985. CODEN LNMAA2. ISBN 3-540-15235-0 (print), 3-540-39413-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074445/>.

Ranga:1986:FSM

- [Ran86] A. Sri Ranga. \hat{J} -fractions and strong moment problems. *Lecture Notes in Mathematics*, 1199:269–284, 1986. CODEN LNMAA2. ISBN 3-540-16768-4 (print), 3-540-38817-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075942/>.

Range:1987:IRT

- [Ran87] R. Michael Range. Integral representations in the theory of the $\bar{\partial}$ -Neumann problem. *Lecture Notes in Mathematics*, 1276:281–290, 1987. CODEN LNMAA2. ISBN 3-540-18357-4 (print), 3-540-47904-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078964/>.

Randall:1988:ITF

- [Ran88] Duane Randall. On indices of tangent fields with finite singularities. *Lecture Notes in Mathematics*, 1350:213–240, 1988. CODEN LNMAA2. ISBN 3-540-50369-2 (print), 3-540-45990-1 (e-book).

ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081477/>.

Ran:1989:DM

- [Ran89] Ziv Ran. Deformations of maps. *Lecture Notes in Mathematics*, 1389:246–253, 1989. CODEN LNMAA2. ISBN 3-540-51509-7 (print), 3-540-48188-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085936/>.

Rao:1987:FVB

- [Rao87] A. Prabhakar Rao. A family of vector bundles on \mathbf{P}^3 . *Lecture Notes in Mathematics*, 1266:208–231, 1987. CODEN LNMAA2. ISBN 3-540-18020-6 (print), 3-540-47708-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078185/>.

Rao:1989:BHP

- [Rao89] M. M. Rao. Bimeasures and harmonizable processes (analysis, classification, and representation). *Lecture Notes in Mathematics*, 1379:254–298, 1989. CODEN LNMAA2. ISBN 3-540-51401-5 (print), 3-540-46206-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087858/>.

Rascle:1987:TEG

- [Ras87] Michel Rascle. Un théorème d'existence globale en élasticité non linéaire mono-dimensionnelle. (French) []. *Lecture Notes in Mathematics*, 1270:210–220, 1987. CODEN LNMAA2. ISBN 3-540-18200-4 (print), 3-540-47805-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078330/>.

Rauszer:1985:FCI

- [Rau85] Cecylia Rauszer. Formalizations of certain intermediate logics. Part I. *Lecture Notes in Mathematics*, 1130:360–384, 1985. CODEN LNMAA2. ISBN 3-540-15236-9 (print), 3-540-39414-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075319/>.

Raviart:1985:APM

- [Rav85] P.-A. Raviart. An analysis of particle methods. *Lecture Notes in Mathematics*, 1127:243–324, 1985. CODEN LNMAA2. ISBN

3-540-15225-3 (print), 3-540-39391-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074532/>.

Ravenel:1988:CCT

- [Rav88] Douglas C. Ravenel. Complex cobordism theory for number theorists. *Lecture Notes in Mathematics*, 1326:123–133, 1988. CODEN LNMAA2. ISBN 3-540-19490-8 (print), 3-540-39300-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078042/>.

Rawnsley:1985:STS

- [Raw85] John H. Rawnsley. F -structures, F -twistor spaces and harmonic maps. *Lecture Notes in Mathematics*, 1164:85–159, 1985. CODEN LNMAA2. ISBN 3-540-16048-5 (print), 3-540-39732-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081911/>.

Rawnsley:1987:TM

- [Raw87] John Rawnsley. Twistor methods. *Lecture Notes in Mathematics*, 1263:97–133, 1987. CODEN LNMAA2. ISBN 3-540-18012-5 (print), 3-540-47249-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078611/>.

Raynaud:1988:EAS

- [Ray88] Yves Raynaud. Extraction of almost symmetric subsequences in r.i. spaces. *Lecture Notes in Mathematics*, 1332:33–42, 1988. CODEN LNMAA2. ISBN 3-540-50018-9 (print), 3-540-45892-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081609/>.

Reed:1987:RHS

- [RB87] M. C. Reed and J. J. Blum. A reaction-hyperbolic system in physiology. *Lecture Notes in Mathematics*, 1248:134–141, 1987. CODEN LNMAA2. ISBN 3-540-17741-8 (print), 3-540-47791-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077422/>.

Reinhardt:1985:TCS

- [RC85] William N. Reinhardt and Rolando Chuaqui. Types in class set theories. *Lecture Notes in Mathematics*, 1130:385–394, 1985. CODEN LNMAA2. ISBN 3-540-15236-9 (print), 3-540-39414-1 (e-

book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075320/>.

Randjbar-Daemi:1985:SCF

- [RD85] S. Randjbar-Daemi. Spontaneous compactification and fermion chirality. *Lecture Notes in Mathematics*, 1139:199–213, 1985. CODEN LNMAA2. ISBN 3-540-15666-6 (print), 3-540-39585-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074585/>.

Rea:1986:HEP

- [Rea86] Claudio Rea. Holomorphic extendability past boundary points and flat functions in C^2 and C^n . *Lecture Notes in Mathematics*, 1198:206–213, 1986. CODEN LNMAA2. ISBN 3-540-16762-5 (print), 3-540-38729-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077055/>.

Read:1988:ISP

- [Rea88] C. J. Read. The invariant subspace problem on a class of non-reflexive Banach spaces, 1. *Lecture Notes in Mathematics*, 1317:1–20, 1988. CODEN LNMAA2. ISBN 3-540-19353-7 (print), 3-540-39235-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081733/>.

Reckziegel:1985:HLI

- [Rec85] Helmut Reckziegel. Horizontal lifts of isometric immersions into the bundle space of a pseudo-Riemannian submersion. *Lecture Notes in Mathematics*, 1156:264–279, 1985. CODEN LNMAA2. ISBN 3-540-15994-0 (print), 3-540-39698-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075098/>.

Reczek:1987:HAM

- [Rec87] K. Reczek. Hyperbolic approximation of meromorphic functions. *Lecture Notes in Mathematics*, 1237:73–78, 1987. CODEN LNMAA2. ISBN 3-540-17212-2 (print), 3-540-47412-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072457/>.

Rego:1987:DMC

- [Reg87] C. J. Rego. Deformation of modules on curves and surfaces. *Lecture Notes in Mathematics*, 1273:157–167, 1987. CODEN LNMAA2. ISBN 3-540-18263-2 (print), 3-540-47851-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078842/>.

Regev:1988:CMA

- [Reg88] Amitai Regev. On the codimensions of matrix algebras. *Lecture Notes in Mathematics*, 1352:162–172, 1988. CODEN LNMAA2. ISBN 3-540-50371-4 (print), 3-540-45994-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082024/>.

Reich:1985:DEA

- [Rei85] L. Reich. On a differential equation arising in iteration theory in rings of formal power series in one variable. *Lecture Notes in Mathematics*, 1163:135–148, 1985. CODEN LNMAA2. ISBN 3-540-16067-1 (print), 3-540-39749-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076427/>.

Reiten:1986:CMM

- [Rei86] Idun Reiten. Cohen–Macaulay modules over isolated singularities. *Lecture Notes in Mathematics*, 1220:25–32, 1986. CODEN LNMAA2. ISBN 3-540-17185-1 (print), 3-540-47255-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099503/>.

Reichel:1987:BCF

- [Rei87a] Lothar Reichel. Boundary collocation in Fejér points for computing eigenvalues and eigenfunctions of the Laplacian. *Lecture Notes in Mathematics*, 1287:146–160, 1987. CODEN LNMAA2. ISBN 3-540-18500-3 (print), 3-540-47991-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078903/>.

Reiten:1987:FDA

- [Rei87b] Idun Reiten. Finite dimensional algebras and singularities. *Lecture Notes in Mathematics*, 1273:35–57, 1987. CODEN LNMAA2. ISBN 3-540-18263-2 (print), 3-540-47851-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078837/>.

Reiffen:1988:LI

- [Rei88a] Hans-Jörg Reiffen. Leafspaces and integrability. *Lecture Notes in Mathematics*, 1345:271–293, 1988. CODEN LNMAA2. ISBN 3-540-50226-2 (print), 3-540-45957-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081407/>.

Reisner:1988:TTL

- [Rei88b] Shlomo Reisner. On two theorems of Lozanovskii concerning intermediate Banach lattices. *Lecture Notes in Mathematics*, 1317:67–83, 1988. CODEN LNMAA2. ISBN 3-540-19353-7 (print), 3-540-39235-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081736/>.

Reiter:1988:FM

- [Rei88c] H. Reiter. Front matter. *Lecture Notes in Mathematics*, 1361:??, 1988. CODEN LNMAA2. ISBN 3-540-50528-8 (print), 3-540-46036-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-540-46036-7/1.pdf>.

Reiter:1988:MGH

- [Rei88d] H. Reiter. Metaplectic groups and harmonic analysis. *Lecture Notes in Mathematics*, 1359:238–241, 1988. CODEN LNMAA2. ISBN 3-540-50524-5 (print), 3-540-46032-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086604/>.

Reiter:1989:MGS

- [Rei89a] Hans Reiter. The metaplectic group and Segal continuity in the adelic case. *Lecture Notes in Mathematics*, 1382:98–116, 1989. CODEN LNMAA2. ISBN 3-540-51417-1 (print), 3-540-46210-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0093692/>.

Reiter:1989:MGL

- [Rei89b] Hans Reiter. The metaplectic group (local case); Segal continuity. *Lecture Notes in Mathematics*, 1382:91–97, 1989. CODEN LNMAA2. ISBN 3-540-51417-1 (print), 3-540-46210-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0093691/>.

Reiter:1989:PHA

- [Rei89c] Hans Reiter. Preliminaries from harmonic analysis and group theory. *Lecture Notes in Mathematics*, 1382:1–15, 1989. CODEN LNMAA2. ISBN 3-540-51417-1 (print), 3-540-46210-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0093684/>.

Reiter:1989:PCQ

- [Rei89d] Hans Reiter. Properties of certain quadratic forms. *Lecture Notes in Mathematics*, 1382:70–80, 1989. CODEN LNMAA2. ISBN 3-540-51417-1 (print), 3-540-46210-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0093689/>.

Reiter:1989:SAS

- [Rei89e] Hans Reiter. Segal algebras; the Segal algebra $G^1(G)$. *Lecture Notes in Mathematics*, 1382:16–35, 1989. CODEN LNMAA2. ISBN 3-540-51417-1 (print), 3-540-46210-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0093685/>.

Reiter:1989:VSQ

- [Rei89f] Hans Reiter. Vector spaces and quadratic forms over local fields. *Lecture Notes in Mathematics*, 1382:62–69, 1989. CODEN LNMAA2. ISBN 3-540-51417-1 (print), 3-540-46210-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0093688/>.

Reiter:1989:WOV

- [Rei89g] Hans Reiter. Weil operators for vector spaces over local fields. *Lecture Notes in Mathematics*, 1382:81–90, 1989. CODEN LNMAA2. ISBN 3-540-51417-1 (print), 3-540-46210-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0093690/>.

Reiter:1989:WGO

- [Rei89h] Hans Reiter. Weil's group of operators and related groups. *Lecture Notes in Mathematics*, 1382:43–61, 1989. CODEN LNMAA2. ISBN 3-540-51417-1 (print), 3-540-46210-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0093687/>.

Reiter:1989:WT

- [Rei89i] Hans Reiter. Weil's theorem 6. *Lecture Notes in Mathematics*, 1382:117–118, 1989. CODEN LNMAA2. ISBN 3-540-51417-1 (print), 3-540-46210-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0093693>.

Reiter:1989:WUO

- [Rei89j] Hans Reiter. Weil's unitary operators and the Segal algebra $G^1(G)$. *Lecture Notes in Mathematics*, 1382:36–42, 1989. CODEN LNMAA2. ISBN 3-540-51417-1 (print), 3-540-46210-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0093686/>.

Rektorys:1986:NTT

- [Rek86] K. Rektorys. Numerical and theoretical treating of evolution problems by the method of discretization in time. *Lecture Notes in Mathematics*, 1192:71–84, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076053/>.

Ressel:1989:CCM

- [Res89] Paul Ressel. A conjecture concerning mixtures of characters from a given closed subsemigroup in the dual. *Lecture Notes in Mathematics*, 1379:299–309, 1989. CODEN LNMAA2. ISBN 3-540-51401-5 (print), 3-540-46206-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087859/>.

Reula:1986:EAL

- [Reu86a] Francisco Javier Echarte Reula. Étude des algèbres de Lie résolubles réelles qui admettent des idéaux unidimensionnels n'appartenant pas au centre. (French) []. *Lecture Notes in Mathematics*, 1209:152–156, 1986. CODEN LNMAA2. ISBN 3-540-16801-X (print), 3-540-44844-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076627/>.

Reutenauer:1986:TPB

- [Reu86b] Christophe Reutenauer. Theorem of Poincaré–Birkhoff–Witt, logarithm and symmetric group representations of degrees equal

to Stirling numbers. *Lecture Notes in Mathematics*, 1234:267–284, 1986. CODEN LNMAA2. ISBN 3-540-17207-6 (print), 3-540-47402-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072520/>.

Reyes:1986:SRV

- [Rey86a] Gonzalo E. Reyes. Synthetic reasoning and variable sets. *Lecture Notes in Mathematics*, 1174:69–82, 1986. CODEN LNMAA2. ISBN 3-540-16096-5 (print), 3-540-39760-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076935/>.

Reynolds:1986:PIC

- [Rey86b] William F. Reynolds. Principal indecomposable characters and normal subgroups. *Lecture Notes in Mathematics*, 1178:143–151, 1986. CODEN LNMAA2. ISBN 3-540-16433-2 (print), 3-540-39777-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075294/>.

Rhemtulla:1989:GME

- [Rhe89] Akbar H. Rhemtulla. Groups with many elliptic subgroups. *Lecture Notes in Mathematics*, 1398:156–162, 1989. CODEN LNMAA2. ISBN 3-540-51695-6 (print), 3-540-46756-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086252/>.

Richter:1986:DRT

- [Ric86] F. Richter. On the K -dimensional Radon-transform of rapidly decreasing functions. *Lecture Notes in Mathematics*, 1209:243–258, 1986. CODEN LNMAA2. ISBN 3-540-16801-X (print), 3-540-44844-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076636/>.

Richardson:1987:NSS

- [Ric87] R. W. Richardson. Normality of G -stable subvarieties of a semisimple Lie algebra. *Lecture Notes in Mathematics*, 1271:243–264, 1987. CODEN LNMAA2. ISBN 3-540-18234-9 (print), 3-540-47834-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079242/>.

Riedel:1987:ABD

- [Rie87] M. Riedel. The asymptotic bias in a deviation of a location model. *Lecture Notes in Mathematics*, 1233:134–144, 1987. CODEN LNMAA2. ISBN 3-540-17204-1 (print), 3-540-47394-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072719/>.

Riley:1989:GOH

- [Ril89] Robert Riley. Growth of order of homology of cyclic branched covers of knots. *Lecture Notes in Mathematics*, 1383:140–145, 1989. CODEN LNMAA2. ISBN 3-540-51549-6 (print), 3-540-46640-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083575/>.

Rippon:1987:SFU

- [Rip87] P. J. Rippon. Subharmonic functions with unilateral growth conditions. *Lecture Notes in Mathematics*, 1275:253–265, 1987. CODEN LNMAA2. ISBN 3-540-18356-6 (print), 3-540-47899-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078357/>.

Rivlin:1988:GQA

- [Riv88] T. J. Rivlin. Gauss quadrature for analytic functions. *Lecture Notes in Mathematics*, 1329:178–192, 1988. CODEN LNMAA2. ISBN 3-540-19489-4 (print), 3-540-39295-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083358/>.

Ranicki:1985:AGT

- [RLQ85] Andrew Ranicki, Norman Levitt, and Frank Quinn, editors. *Algebraic and Geometric Topology: Proceedings of a Conference held at Rutgers University, New Brunswick, USA July 6–13, 1983*, volume 1126 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15235-0 (print), 3-540-39413-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1126. URL <http://link.springer.com/book/10.1007/BFb0074435>; <http://www.springerlink.com/content/978-3-540-39413-6>.

Ruiperez:1987:VBP

- [RM87] Daniel Hernández Ruipérez and Jaime Muñoz Masqué. Variational Berezinian problems and their relationship with graded variational

problems. *Lecture Notes in Mathematics*, 1251:137–149, 1987. CODEN LNMAA2. ISBN 3-540-17816-3 (print), 3-540-47854-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077319/>.

Roach:1988:IIT

- [Roa88] G. F. Roach. An introduction to iterative techniques for potential problems. *Lecture Notes in Mathematics*, 1344:162–180, 1988. CODEN LNMAA2. ISBN 3-540-50210-6 (print), 3-540-45952-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0103350/>.

Robinson:1986:CMF

- [Rob86] Geoffrey R. Robinson. On Cartan matrices of finite groups with a certain factorization. *Lecture Notes in Mathematics*, 1178:152–176, 1986. CODEN LNMAA2. ISBN 3-540-16433-2 (print), 3-540-39777-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075295/>.

Robinson:1987:VTC

- [Rob87] Derek J. S. Robinson. Vanishing theorems for cohomology of locally nilpotent groups. *Lecture Notes in Mathematics*, 1281:120–129, 1987. CODEN LNMAA2. ISBN 3-540-18399-X (print), 3-540-47948-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078698/>.

Roberts:1988:ONR

- [Rob88] Joel Roberts. Old and new results about the triangle varieties. *Lecture Notes in Mathematics*, 1311:197–219, 1988. CODEN LNMAA2. ISBN 3-540-19236-0 (print), 3-540-39157-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082915/>.

Robinson:1989:RCT

- [Rob89] Derek J. S. Robinson. Reflections on the constructive theory of polycyclic groups. *Lecture Notes in Mathematics*, 1398:163–169, 1989. CODEN LNMAA2. ISBN 3-540-51695-6 (print), 3-540-46756-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086253/>.

Rochberg:1988:WCS

- [Roc88] Richard Rochberg. The work of Coifman and Semmes on complex interpolation, several complex variables, and PDE's. *Lecture Notes in Mathematics*, 1302:74–90, 1988. CODEN LNMAA2. ISBN 3-540-18905-X (print), 3-540-38841-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078864/>.

Rodin:1987:DRR

- [Rod87a] Yuri L. Rodin. The Dolbeault and Riemann–Roch theorems. *Lecture Notes in Mathematics*, 1288:1–28, 1987. CODEN LNMAA2. ISBN 3-540-18572-0 (print), 3-540-48018-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082104/>.

Rodin:1987:LIE

- [Rod87b] Yuri L. Rodin. Linear integral equations connected with generalized analytic functions. *Lecture Notes in Mathematics*, 1288:29–62, 1987. CODEN LNMAA2. ISBN 3-540-18572-0 (print), 3-540-48018-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082105/>.

Rodin:1987:NAG

- [Rod87c] Yuri L. Rodin. Nonlinear aspects of generalized analytic function theory. *Lecture Notes in Mathematics*, 1288:80–85, 1987. CODEN LNMAA2. ISBN 3-540-18572-0 (print), 3-540-48018-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082107/>.

Rodin:1987:RBP

- [Rod87d] Yuri L. Rodin. The Riemann boundary problem. *Lecture Notes in Mathematics*, 1288:63–79, 1987. CODEN LNMAA2. ISBN 3-540-18572-0 (print), 3-540-48018-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082106/>.

Rodin:1987:SGA

- [Rod87e] Yuri L. Rodin. Some generalizations and applications. *Lecture Notes in Mathematics*, 1288:86–108, 1987. CODEN LNMAA2. ISBN 3-540-18572-0 (print), 3-540-48018-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082108/>.

Roe:1987:UDS

- [Roe87] P. L. Roe. Upwind differencing schemes for hyperbolic conservation laws with source terms. *Lecture Notes in Mathematics*, 1270: 41–51, 1987. CODEN LNMAA2. ISBN 3-540-18200-4 (print), 3-540-47805-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078316/>.

Rofman:1985:AHJ

- [Rof85] Edmundo Rofman. Approximation of Hamilton–Jacobi–Bellman equation in deterministic control theory. An application to energy production systems. *Lecture Notes in Mathematics*, 1119: 152–189, 1985. CODEN LNMAA2. ISBN 3-540-15217-2 (print), 3-540-39365-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074785/>.

Rogers:1985:SES

- [Rog85] Alice Rogers. Off-shell extended supergravity in extended superspace. *Lecture Notes in Mathematics*, 1139:214–235, 1985. CODEN LNMAA2. ISBN 3-540-15666-6 (print), 3-540-39585-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074586/>.

Roggenkamp:1986:GOF

- [Rog86] K. W. Roggenkamp. Gorenstein orders of finite representation type and bijective lattices. *Lecture Notes in Mathematics*, 1178: 243–271, 1986. CODEN LNMAA2. ISBN 3-540-16433-2 (print), 3-540-39777-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075298/>.

Roggenkamp:1987:ASS

- [Rog87] K. W. Roggenkamp. Almost split sequences for some non-classical lattice categories. *Lecture Notes in Mathematics*, 1273: 318–324, 1987. CODEN LNMAA2. ISBN 3-540-18263-2 (print), 3-540-47851-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078851/>.

Roggenkamp:1988:SNP

- [Rog88] K. W. Roggenkamp. Some new progress on the isomorphism problem for integral group rings. *Lecture Notes in Mathemat-*

ics, 1328:227–236, 1988. CODEN LNMAA2. ISBN 3-540-19474-6 (print), 3-540-39278-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0100928/>.

Rogers:1989:MPM

- [Rog89] L. C. G. Rogers. Multiple points of Markov processes in a complete metric space. *Lecture Notes in Mathematics*, 1372:186–197, 1989. CODEN LNMAA2. ISBN 3-540-51191-1 (print), 3-540-46176-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083973/>.

Roiter:1986:NR

- [Roï86] A. V. Roïter. The norm of a relation. *Lecture Notes in Mathematics*, 1177:269–271, 1986. CODEN LNMAA2. ISBN 3-540-16432-4 (print), 3-540-39776-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075269/>.

Rolfesen:1985:KTM

- [Rol85] Dale Rolfsen, editor. *Knot Theory and Manifolds: Proceedings of a Conference held in Vancouver, Canada, June 2–4, 1983*, volume 1144 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15680-1 (print), 3-540-39616-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1144. URL <http://link.springer.com/book/10.1007/BFb0075007>; <http://www.springerlink.com/content/978-3-540-39616-1>.

Ronan:1986:CBN

- [Ron86] M. A. Ronan. A construction of buildings with no rank 3 residues of spherical type. *Lecture Notes in Mathematics*, 1181:242–248, 1986. CODEN LNMAA2. ISBN 3-540-16466-9 (print), 3-540-39801-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075518/>.

Roos:1986:FPV

- [Roo86a] Guy Roos. Fonctions de plusieurs variables complexes et formules de représentation intégrale. (French) []. *Lecture Notes in Mathematics*, 1188:45–182, 1986. CODEN LNMAA2. ISBN 3-540-16460-X (print), 3-540-39797-3 (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076820/>.

Roos:1986:AAT

- [Roo86b] Jan-Erik Roos, editor. *Algebra, Algebraic Topology and their Interactions: Proceedings of a Conference held in Stockholm, Aug. 3–13, 1983, and later developments*, volume 1183 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LN-MAA2. ISBN 3-540-16453-7 (print), 3-540-39790-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3.L28 no. 1183. URL <http://link.springer.com/book/10.1007/BFb0075445>; <http://www.springerlink.com/content/978-3-540-39790-8>.

Roos:1988:HFL

- [Roo88] Jan-Erik Roos. Homology of free loop spaces, cyclic homology and non-rational Poincaré–Betti series in commutative algebra. *Lecture Notes in Mathematics*, 1352:173–189, 1988. CODEN LN-MAA2. ISBN 3-540-50371-4 (print), 3-540-45994-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082025/>.

Roos:1989:ACM

- [Roo89] C. Roos. An $O(n^3L)$ approximate center method for linear programming. *Lecture Notes in Mathematics*, 1405:147–158, 1989. CODEN LNMAA2. ISSN 0075-8434 (print), 1617-9692 (electronic).

Rosenthal:1985:LAB

- [Ros85a] Haskell Rosenthal. The Lie algebra of a Banach space. *Lecture Notes in Mathematics*, 1166:129–157, 1985. CODEN LN-MAA2. ISBN 3-540-16051-5 (print), 3-540-39736-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074702/>.

Rosser:1985:CPS

- [Ros85b] J. Barkley Rosser. Calculation of potential in a sector. *Lecture Notes in Mathematics*, 1121:228–257, 1985. CODEN LN-MAA2. ISBN 3-540-15219-9 (print), 3-540-39377-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076274/>.

Rössler:1985:LLA

- [Rös85c] O. E. Rössler. Long line attractors. *Lecture Notes in Mathematics*, 1163:149–160, 1985. CODEN LNMAA2. ISBN 3-540-16067-1 (print), 3-540-39749-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076428/>.

Rosati:1986:BGD

- [Ros86a] Luigi A. Rosati, editor. *Buildings and the Geometry of Diagrams: Lectures given at the 3rd 1984 Session of the Centro Internazionale Matematico Estivo (C.I.M.E.) held at Como, Italy, August 26–September 4, 1984*, volume 1181 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16466-9 (print), 3-540-39801-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1181. URL <http://link.springer.com/book/10.1007/BFb0075511>; <http://www.springerlink.com/content/978-3-540-39801-1>.

Rosenkranz:1986:SMD

- [Ros86b] Gerd Rosenkranz. Stochastic measure diffusions as models of growth and spread. *Lecture Notes in Mathematics*, 1212:238–248, 1986. CODEN LNMAA2. ISBN 3-540-16803-6 (print), 3-540-47053-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076252/>.

Rost:1986:BHL

- [Ros86c] Hermann Rost. On the behavior of the hydrodynamical limit for stochastic particle systems. *Lecture Notes in Mathematics*, 1215:129–164, 1986. CODEN LNMAA2. ISBN 3-540-16822-2 (print), 3-540-47092-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075873/>.

Rossberg:1987:CDT

- [Ros87a] Hans-Joachim Rossberg. Cramér’s decomposition theorem within the continuation of distribution functions. *Lecture Notes in Mathematics*, 1233:145–155, 1987. CODEN LNMAA2. ISBN 3-540-17204-1 (print), 3-540-47394-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072720/>.

Rossmann:1987:SRC

- [Ros87b] W. Rossmann. Springer representations and coherent continuation representations of Weyl groups. *Lecture Notes in Mathematics*, 1243:273–282, 1987. CODEN LNMAA2. ISBN 3-540-17701-9 (print), 3-540-47775-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073027/>.

Rosenthal:1988:C

- [Ros88a] Haskell Rosenthal. L^1 -convexity. *Lecture Notes in Mathematics*, 1332:156–174, 1988. CODEN LNMAA2. ISBN 3-540-50018-9 (print), 3-540-45892-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081618/>.

Rosenthal:1988:CRT

- [Ros88b] Haskell Rosenthal. On the Choquet representation theorem. *Lecture Notes in Mathematics*, 1332:1–32, 1988. CODEN LNMAA2. ISBN 3-540-50018-9 (print), 3-540-45892-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081608/>.

Rosales:1989:DEW

- [Ros89a] Rodolfo R. Rosales. Diffraction effects in weakly nonlinear detonation waves. *Lecture Notes in Mathematics*, 1402:227–239, 1989. CODEN LNMAA2. ISBN 3-540-51746-4 (print), 3-540-46800-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083879/>.

Rosales:1989:FM

- [Ros89b] Rodolfo R. Rosales. Front matter. *Lecture Notes in Mathematics*, 1403:??, 1989. CODEN LNMAA2. ISBN 3-540-51797-9 (print), 3-540-46810-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-540-46810-3/1.pdf>.

Rosenberger:1989:MGS

- [Ros89c] Gerhard Rosenberger. Minimal generating systems for plane discontinuous groups and an equation in free groups. *Lecture Notes in Mathematics*, 1398:170–186, 1989. CODEN LNMAA2. ISBN 3-540-51695-6 (print), 3-540-46756-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086254/>.

Roth:1989:PDN

- [Rot89] Jean-Pierre Roth. Le problème du nuage de glace. (French) []. *Lecture Notes in Mathematics*, 1393:216–225, 1989. CODEN LNMAA2. ISBN 3-540-51592-5 (print), 3-540-46675-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085782/>.

Roux:1987:AVD

- [Rou87] Bernard Roux. Anneaux de valuation discrète complets, scindés, non commutatifs, en caractéristique zéro. (French) []. *Lecture Notes in Mathematics*, 1296:276–311, 1987. CODEN LNMAA2. ISBN 3-540-18690-5 (print), 3-540-48081-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078533/>.

Roussarie:1988:NFC

- [Rou88] R. Roussarie. A note on finite cyclicity property and Hilbert's 16th Problem. *Lecture Notes in Mathematics*, 1331:161–168, 1988. CODEN LNMAA2. ISBN 3-540-50016-2 (print), 3-540-45889-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083072/>.

Rowen:1989:PIA

- [Row89] Louis Halle Rowen. Primitive ideals of algebras over uncountable fields. *Lecture Notes in Mathematics*, 1404:322–345, 1989. CODEN LNMAA2. ISBN 3-540-51812-6 (print), 3-540-46814-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084082/>.

Rozanov:1987:BPS

- [Roz87] Yu. A. Rozanov. Boundary problems for stochastic partial differential equations. *Lecture Notes in Mathematics*, 1250:233–268, 1987. CODEN LNMAA2. ISBN 3-540-17797-3 (print), 3-540-47835-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077360/>.

Reiner:1985:OTA

- [RR85] Irving Reiner and Klaus W. Roggenkamp, editors. *Orders and their Applications: Proceedings of a Conference held in Oberwolfach, West Germany June 3–9, 1984*, volume 1142 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany /

Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15674-7 (print), 3-540-39601-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3.L28 no. 1142. URL <http://link.springer.com/book/10.1007/BFb0074788>; <http://www.springerlink.com/content/978-3-540-39601-7>.

Rauch:1987:UNW

- [RR87] Jeffrey Rauch and Michael C. Reed. Ultrasingularities in nonlinear waves. *Lecture Notes in Mathematics*, 1248:127–133, 1987. CODEN LNMAA2. ISBN 3-540-17741-8 (print), 3-540-47791-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077421/>.

Romanowska:1985:APG

- [RS85a] Anna B. Romanowska and Jonathan D. H. Smith. From affine to projective geometry via convexity. *Lecture Notes in Mathematics*, 1149:255–269, 1985. CODEN LNMAA2. ISBN 3-540-15691-7 (print), 3-540-39638-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098469/>.

Ruess:1985:WDP

- [RS85b] W. M. Ruess and C. P. Stegall. Weak*-denting points in duals of operator spaces. *Lecture Notes in Mathematics*, 1166:158–168, 1985. CODEN LNMAA2. ISBN 3-540-16051-5 (print), 3-540-39736-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074703/>.

Rohlf:1987:CMD

- [RS87] Jürgen Rohlf and Birgit Speh. A cohomological method for the determination of limit multiplicities. *Lecture Notes in Mathematics*, 1243:262–272, 1987. CODEN LNMAA2. ISBN 3-540-17701-9 (print), 3-540-47775-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073026/>.

Reichard:1988:PSQ

- [RS88] Dr. K. Reichard and Prof. Dr. K. Spallek. Product singularities and quotients. *Lecture Notes in Mathematics*, 1345:256–270, 1988. CODEN LNMAA2. ISBN 3-540-50226-2 (print), 3-540-45957-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081406/>.

Rochberg:1989:AOT

- [RT89] Richard Rochberg and Mitchell Taibleson. An averaging operator on a tree. *Lecture Notes in Mathematics*, 1384:207–213, 1989. CODEN LNMAA2. ISBN 3-540-51460-0 (print), 3-540-48134-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086805/>.

Rochberg:1988:IQS

- [RTVW88] Richard Rochberg, Anita Tabacco Vignati, Marco Vignati, and Guido Weiss. Interpolation of quasinormed spaces by the complex method. *Lecture Notes in Mathematics*, 1302:91–98, 1988. CODEN LNMAA2. ISBN 3-540-18905-X (print), 3-540-38841-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078865/>.

RubiodeFrancia:1986:MIT

- [Rub86] José L. Rubio de Francia. Martingale and integral transforms of Banach space valued functions. *Lecture Notes in Mathematics*, 1221:195–222, 1986. CODEN LNMAA2. ISBN 3-540-17186-X (print), 3-540-47344-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099115/>.

Rubin:1989:WKA

- [Rub89] Karl Rubin. The work of Kolyvagin on the arithmetic of elliptic curves. *Lecture Notes in Mathematics*, 1399:128–136, 1989. CODEN LNMAA2. ISBN 3-540-51729-4 (print), 3-540-46791-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0095973/>.

Ruggeri:1989:RET

- [Rug89] Tommaso Ruggeri. Relativistic extended thermodynamics: General assumptions and mathematical procedure. *Lecture Notes in Mathematics*, 1385:269–277, 1989. CODEN LNMAA2. ISBN 3-540-51466-X (print), 3-540-48142-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084034/>.

Rump:1985:MVR

- [Rum85] Wolfgang Rump. Module valuations and representations of completely reducible orders. *Lecture Notes in Mathematics*, 1142:233–238, 1985. CODEN LNMAA2. ISBN 3-540-15674-7 (print), 3-

540-39601-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074804/>.

Rump:1986:ERT

- [Rum86] Wolfgang Rump. Enlacements and representation theory of completely reducible orders. *Lecture Notes in Mathematics*, 1178:272–308, 1986. CODEN LNMAA2. ISBN 3-540-16433-2 (print), 3-540-39777-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075299/>.

Rumely:1989:A

- [Rum89a] Robert S. Rumely. Applications. *Lecture Notes in Mathematics*, 1378:373–422, 1989. CODEN LNMAA2. ISBN 3-540-51410-4 (print), 3-540-46209-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084532/>.

Rumely:1989:CD

- [Rum89b] Robert S. Rumely. The canonical distance. *Lecture Notes in Mathematics*, 1378:56–132, 1989. CODEN LNMAA2. ISBN 3-540-51410-4 (print), 3-540-46209-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084528/>.

Rumely:1989:F

- [Rum89c] Robert S. Rumely. Foundations. *Lecture Notes in Mathematics*, 1378:23–55, 1989. CODEN LNMAA2. ISBN 3-540-51410-4 (print), 3-540-46209-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084527/>.

Rumely:1989:GCT

- [Rum89d] Robert S. Rumely. Global capacity theory. *Lecture Notes in Mathematics*, 1378:320–372, 1989. CODEN LNMAA2. ISBN 3-540-51410-4 (print), 3-540-46209-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084531/>.

Rumely:1989:LCa

- [Rum89e] Robert S. Rumely. Local capacity theory — Archimedean case. *Lecture Notes in Mathematics*, 1378:133–184, 1989. CODEN LNMAA2. ISBN 3-540-51410-4 (print), 3-540-46209-0 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084529/>.

Rumely:1989:LCTb

- [Rum89f] Robert S. Rumely. Local capacity theory — nonarchimedean case. *Lecture Notes in Mathematics*, 1378:185–319, 1989. CODEN LNMAA2. ISBN 3-540-51410-4 (print), 3-540-46209-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084530/>.

Rumely:1989:P

- [Rum89g] Robert S. Rumely. Preliminaries. *Lecture Notes in Mathematics*, 1378:1–22, 1989. CODEN LNMAA2. ISBN 3-540-51410-4 (print), 3-540-46209-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084526/>.

Rodriguez:1989:SEG

- [RV89] María J. Rodríguez and Luis Vázquez. Spectrum estimations for the generalized quantum Henon–Heiles system. *Lecture Notes in Mathematics*, 1394:131–135, 1989. CODEN LNMAA2. ISBN 3-540-51594-1 (print), 3-540-46679-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086758/>.

Ros:1985:PCM

- [RVV85] Antonio Ros, Paul Verheyen, and Leopold Verstraelen. Positively curved minimal submanifolds. *Lecture Notes in Mathematics*, 1156:280–295, 1985. CODEN LNMAA2. ISBN 3-540-15994-0 (print), 3-540-39698-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075099/>.

Rosinski:1985:MIR

- [RW85] J. Rosiński and W. A. Woyczyński. Moment inequalities for real and vector p -stable stochastic integrals. *Lecture Notes in Mathematics*, 1153:369–386, 1985. CODEN LNMAA2. ISBN 3-540-15704-2 (print), 3-540-39645-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074961/>.

Llompарт:1988:CCG

- [RX88] F. Rosselló Llompарт and S. Xambó Descamps. Computing Chow groups. *Lecture Notes in Mathematics*, 1311:220–234, 1988. CODEN LNMAA2. ISBN 3-540-19236-0 (print), 3-540-39157-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082916/>.

Rude:1986:TSM

- [RZ86] U. Rude and Chr. Zenger. On the treatment of singularities in the multigrid method. *Lecture Notes in Mathematics*, 1228:261–271, 1986. CODEN LNMAA2. ISBN 3-540-17198-3 (print), 3-540-47372-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072651/>.

Rychlik:1987:AMB

- [RZ87] Tomasz Rychlik and Ryszard Zieliński. An asymptotically most bias-robust invariant estimator of location. *Lecture Notes in Mathematics*, 1233:156–171, 1987. CODEN LNMAA2. ISBN 3-540-17204-1 (print), 3-540-47394-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072721/>.

Sabri:1985:PIC

- [Sab85] A. Sabri. Properties of invariant curves near a known invariant curve. *Lecture Notes in Mathematics*, 1163:161–169, 1985. CODEN LNMAA2. ISBN 3-540-16067-1 (print), 3-540-39749-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076429/>.

Sacks:1985:SOQ

- [Sac85] Gerald E. Sacks. Some open questions in recursion theory. *Lecture Notes in Mathematics*, 1141:333–342, 1985. CODEN LNMAA2. ISBN 3-540-15673-9 (print), 3-540-39596-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076228/>.

Sadovsky:1986:BND

- [Sad86] Z. Sadovský. Bifurcations near a double eigenvalue of the rectangular plate problem with a domain parameter. *Lecture Notes in Mathematics*, 1192:415–420, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076102/>.

Saerens:1987:ITS

- [Sae87] Rita Saerens. Interpolation theory in C^n : a survey. *Lecture Notes in Mathematics*, 1268:158–188, 1987. CODEN LNMAA2. ISBN 3-540-18094-X (print), 3-540-47752-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097302/>.

Saff:1988:PCB

- [Saf88] E. B. Saff. A principle of contamination in best polynomial approximation. *Lecture Notes in Mathematics*, 1354:79–97, 1988. CODEN LNMAA2. ISBN 3-540-50443-5 (print), 3-540-46005-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089584/>.

Saito:1986:AAF

- [Sai86] Yoshimi Saitō. Asymptotic and approximate formulas in the inverse scattering problem for the Schrödinger operator. *Lecture Notes in Mathematics*, 1218:190–200, 1986. CODEN LNMAA2. ISBN 3-540-16826-5 (print), 3-540-47119-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073051/>.

Sakamoto:1986:HI

- [Sak86] Kunio Sakamoto. Helical immersions. *Lecture Notes in Mathematics*, 1201:230–241, 1986. CODEN LNMAA2. ISBN 3-540-16770-6 (print), 3-540-38827-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075659/>.

Salamon:1985:HHM

- [Sal85a] Simon Salamon. Harmonic and holomorphic maps. *Lecture Notes in Mathematics*, 1164:161–224, 1985. CODEN LNMAA2. ISBN 3-540-16048-5 (print), 3-540-39732-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081912/>.

Salberger:1985:GDC

- [Sal85b] Per Salberger. Galois descent and class groups of orders. *Lecture Notes in Mathematics*, 1142:239–255, 1985. CODEN LNMAA2. ISBN 3-540-15674-7 (print), 3-540-39601-2 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074805/>.

Salminen:1985:LTD

- [Sal85c] P. Salminen. On local times of a diffusion. *Lecture Notes in Mathematics*, 1123:63–79, 1985. CODEN LNMAA2. ISBN 3-540-15230-X (print), 3-540-39397-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075839/>.

Salazar:1989:LGF

- [Sal89] Jorge Salazar. Lignes de Green et frontière de R. S. Martin en quelques cas particuliers. (French) []. *Lecture Notes in Mathematics*, 1393:226–242, 1989. CODEN LNMAA2. ISBN 3-540-51592-5 (print), 3-540-46675-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085783/>.

Sampson:1985:HMK

- [Sam85] J. H. Sampson. Harmonic maps in Kähler geometry. *Lecture Notes in Mathematics*, 1161:193–205, 1985. CODEN LNMAA2. ISBN 3-540-16040-X (print), 3-540-39716-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075138/>.

Sami:1986:DCB

- [Sam86] K. Sami. Sur les domaines cerclés bornés de l'espace C_o (in). (French) []. *Lecture Notes in Mathematics*, 1198:214–232, 1986. CODEN LNMAA2. ISBN 3-540-16762-5 (print), 3-540-38729-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077056/>.

Sanchez:1985:EEK

- [Sán85a] Norma Sánchez. Einstein equations without Killing vectors, non-linear sigma models and self-dual Yang–Mills theory. *Lecture Notes in Mathematics*, 1139:280–299, 1985. CODEN LNMAA2. ISBN 3-540-15666-6 (print), 3-540-39585-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074590/>.

Sandling:1985:IPG

- [San85b] Robert Sandling. The isomorphism problem for group rings: a survey. *Lecture Notes in Mathematics*, 1142:256–288, 1985. CODEN

LNMAA2. ISBN 3-540-15674-7 (print), 3-540-39601-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074806/>.

SanMartin:1986:ANT

- [San86] L. San Martin. Addendum a note on transitivity of coupled control systems. *Lecture Notes in Mathematics*, 1186:126–128, 1986. CODEN LNMAA2. ISBN 3-540-16458-8 (print), 3-540-39795-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076836/>.

Sano:1987:DSI

- [San87] Shigeru Sano. Distributions sphériques invariantes sur l'espace symétrique semi-simple et son c -dual. (French) []. *Lecture Notes in Mathematics*, 1243:283–309, 1987. CODEN LNMAA2. ISBN 3-540-17701-9 (print), 3-540-47775-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073028/>.

Sapronov:1986:DSS

- [Sap86] Yu. I. Sapronov. The destruction of spherical symmetry in nonlinear variational problems. *Lecture Notes in Mathematics*, 1214:249–275, 1986. CODEN LNMAA2. ISBN 3-540-16821-4 (print), 3-540-47084-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075969/>.

Sapronov:1988:MST

- [Sap88] Yu. I. Sapronov. Multidimensional sleeping tops. *Lecture Notes in Mathematics*, 1334:111–128, 1988. CODEN LNMAA2. ISBN 3-540-50019-7 (print), 3-540-45894-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080425/>.

Sarnak:1985:NPC

- [Sar85] Peter Sarnak. On the number of points on certain curves and an uncertainty principle. *Lecture Notes in Mathematics*, 1135:239–253, 1985. CODEN LNMAA2. ISBN 3-540-15649-6 (print), 3-540-39535-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074608/>.

Sarkozy:1989:HPN

- [Sár89] A. Sárközy. Hybrid problems in number theory. *Lecture Notes in Mathematics*, 1383:146–169, 1989. CODEN LNMAA2. ISBN 3-540-51549-6 (print), 3-540-46640-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083576/>.

Sato:1986:TBC

- [Sat86] Hajime Sato. On topological Blaschke conjecture III. *Lecture Notes in Mathematics*, 1201:242–253, 1986. CODEN LNMAA2. ISBN 3-540-16770-6 (print), 3-540-38827-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075660/>.

Sanchez-Bringas:1988:SSG

- [SB88] Federico Sánchez-Bringas. Structural stability of germs of vector fields on surfaces with a simple singularity. *Lecture Notes in Mathematics*, 1345:294–301, 1988. CODEN LNMAA2. ISBN 3-540-50226-2 (print), 3-540-45957-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081408/>.

Sanders:1985:AIG

- [SC85] J. A. Sanders and R. Cushman. Abelian integrals and global Hopf bifurcations. *Lecture Notes in Mathematics*, 1125:87–98, 1985. CODEN LNMAA2. ISBN 3-540-15233-4 (print), 3-540-39411-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075636/>.

Schachermayer:1985:SRC

- [Sch85a] W. Schachermayer. Some remarks concerning the Krein–Milman and the Radon–Nikodým property of Banach spaces. *Lecture Notes in Mathematics*, 1166:169–176, 1985. CODEN LNMAA2. ISBN 3-540-16051-5 (print), 3-540-39736-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074704/>.

Scharlemann:1985:MCS

- [Sch85b] Martin Scharlemann. 3-manifolds with $H_2(A, \partial A) = 0$ and a conjecture of Stallings. *Lecture Notes in Mathematics*, 1144:138–145, 1985. CODEN LNMAA2. ISBN 3-540-15680-1 (print), 3-540-39616-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (elec-

tronic). URL <http://link.springer.com/chapter/10.1007/BFb0075017/>.

Schatz:1985:IAE

- [Sch85c] A. H. Schatz. An introduction to the analysis of the error in the finite element method for second-order elliptic boundary value problems. *Lecture Notes in Mathematics*, 1129:94–139, 1985. CODEN LNMAA2. ISBN 3-540-15234-2 (print), 3-540-39412-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075158/>.

Schmid:1985:RDR

- [Sch85d] Wilfried Schmid. Recent developments in representation theory. *Lecture Notes in Mathematics*, 1111:135–153, 1985. CODEN LNMAA2. ISBN 3-540-15195-8 (print), 3-540-39298-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084588/>.

Schnabl:1985:OFG

- [Sch85e] R. Schnabl. Ober Eine C_∞ -funktion. (German) []. *Lecture Notes in Mathematics*, 1114:134–142, 1985. CODEN LNMAA2. ISBN 3-540-15189-3 (print), 3-540-39281-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101651/>.

Schnack:1985:SCG

- [Sch85f] E. Schnack. Singularities of cracks with generalized finite elements. *Lecture Notes in Mathematics*, 1121:258–277, 1985. CODEN LNMAA2. ISBN 3-540-15219-9 (print), 3-540-39377-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076275/>.

Schoissengeier:1985:NWG

- [Sch85g] Doz. Dr. J. Schoißengeier. Der Numerische Wert Gewisser Reihen. (German) []. *Lecture Notes in Mathematics*, 1114:143–147, 1985. CODEN LNMAA2. ISBN 3-540-15189-3 (print), 3-540-39281-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101652/>.

Schoissengeier:1985:ODF

- [Sch85h] Doz. Dr. J. Schoißengeier. Ober Die Diskrepanz Der Folgen ($n\alpha$). (German) []. *Lecture Notes in Mathematics*, 1114:148–153, 1985. CODEN LNMAA2. ISBN 3-540-15189-3 (print), 3-540-39281-5

(e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101653/>.

Schwaiger:1985:NFS

- [Sch85i] Jens Schwaiger. Normal forms for systems of formal power series commuting in pairs and iteration problems. *Lecture Notes in Mathematics*, 1163:170–176, 1985. CODEN LNMAA2. ISBN 3-540-16067-1 (print), 3-540-39749-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076430/>.

Schwartz:1985:CDD

- [Sch85j] Laurent Schwartz. Construction directe d'une diffusion sur une variété. (French) []. *Lecture Notes in Mathematics*, 1123:91–112, 1985. CODEN LNMAA2. ISBN 3-540-15230-X (print), 3-540-39397-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075841/>.

Schwenk:1985:AES

- [Sch85k] Angela Schwenk. Affinsphären mit ebenen Schattengrenzen. (German) []. *Lecture Notes in Mathematics*, 1156:296–315, 1985. CODEN LNMAA2. ISBN 3-540-15994-0 (print), 3-540-39698-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075100/>.

Schachermayer:1986:SRI

- [Sch86a] Walter Schachermayer. Some remarks on integral operators and equimeasurable sets. *Lecture Notes in Mathematics*, 1206:242–258, 1986. CODEN LNMAA2. ISBN 3-540-16787-0 (print), 3-540-40955-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076303/>.

Schanuel:1986:WLP

- [Sch86b] Stephen H. Schanuel. What is the length of a potato? *Lecture Notes in Mathematics*, 1174:118–126, 1986. CODEN LNMAA2. ISBN 3-540-16096-5 (print), 3-540-39760-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076939/>.

Schmidt:1986:EMP

- [Sch86c] J. W. Schmidt. Enclosing methods for perturbed boundary value problems in nonlinear difference equations. *Lecture Notes in Mathematics*, 1192:333–338, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076090/>.

Schneider:1986:CSN

- [Sch86d] Michael Schneider. Complex surfaces with negative tangent bundle. *Lecture Notes in Mathematics*, 1194:150–157, 1986. CODEN LNMAA2. ISBN 3-540-16490-1 (print), 3-540-39829-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077002/>.

Schneider:1986:RSL

- [Sch86e] W. R. Schneider. Rigorous scaling laws for Dyson measures. *Lecture Notes in Mathematics*, 1158:224–233, 1986. CODEN LNMAA2. ISBN 3-540-15998-3 (print), 3-540-39703-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080221/>.

Schofield:1986:ULH

- [Sch86f] A. H. Schofield. Universal localisation for hereditary rings and quivers. *Lecture Notes in Mathematics*, 1197:149–164, 1986. CODEN LNMAA2. ISBN 3-540-16496-0 (print), 3-540-39833-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076322/>.

Schott:1986:RRW

- [Sch86g] R. Schott. Recurrent random walks on homogeneous spaces. *Lecture Notes in Mathematics*, 1210:146–152, 1986. CODEN LNMAA2. ISBN 3-540-16806-0 (print), 3-540-44852-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077180/>.

Schurmann:1986:CLT

- [Sch86h] Michael Schürmann. A central limit theorem for coalgebras. *Lecture Notes in Mathematics*, 1210:153–157, 1986. CODEN LNMAA2. ISBN 3-540-16806-0 (print), 3-540-44852-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077181/>.

Schuur:1986:AAS

- [Sch86i] Peter Cornelis Schuur. *Asymptotic Analysis of Soliton Problems: An Inverse Scattering Approach*, volume 1232 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-17203-3 (print), 3-540-47387-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). viii + 180 pp. LCCN QA3.L28 no. 1232. URL <http://link.springer.com/book/10.1007/BFb0073054>; <http://www.springerlink.com/content/978-3-540-47387-9>.

Schuur:1986:AESa

- [Sch86j] Peter Cornelis Schuur. Asymptotic estimates of solutions of the Korteweg–de Vries equation on right half lines slowly moving to the left. *Lecture Notes in Mathematics*, 1232:34–77, 1986. CODEN LNMAA2. ISBN 3-540-17203-3 (print), 3-540-47387-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073057/>.

Schuur:1986:AESb

- [Sch86k] Peter Cornelis Schuur. Asymptotic estimates of solutions of the sine-Gordon equation on right half lines almost linearly moving leftward. *Lecture Notes in Mathematics*, 1232:136–150, 1986. CODEN LNMAA2. ISBN 3-540-17203-3 (print), 3-540-47387-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073062/>.

Schuur:1986:DES

- [Sch86l] Peter Cornelis Schuur. Decomposition and estimates of solutions of the modified Korteweg–de Vries equation on right half lines slowly moving leftward. *Lecture Notes in Mathematics*, 1232:109–123, 1986. CODEN LNMAA2. ISBN 3-540-17203-3 (print), 3-540-47387-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073060/>.

Schuur:1986:ESK

- [Sch86m] Peter Cornelis Schuur. The emergence of solitons of the Korteweg–de Vries equation from arbitrary initial conditions. *Lecture Notes in Mathematics*, 1232:13–33, 1986. CODEN LNMAA2. ISBN 3-540-17203-3 (print), 3-540-47387-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073056/>.

Schuur:1986:I

- [Sch86n] Peter Cornelis Schuur. Introduction. *Lecture Notes in Mathematics*, 1232:1–12, 1986. CODEN LNMAA2. ISBN 3-540-17203-3 (print), 3-540-47387-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073055/>.

Schuur:1986:MPSa

- [Sch86o] Peter Cornelis Schuur. Multisoliton phase shifts for the Korteweg–de Vries equation in the case of a nonzero reflection coefficient. *Lecture Notes in Mathematics*, 1232:78–88, 1986. CODEN LNMAA2. ISBN 3-540-17203-3 (print), 3-540-47387-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073058/>.

Schuur:1986:MPSb

- [Sch86p] Peter Cornelis Schuur. Multisoliton phase shifts for the modified Korteweg–de Vries equation in the case of a nonzero reflection coefficient. *Lecture Notes in Mathematics*, 1232:124–135, 1986. CODEN LNMAA2. ISBN 3-540-17203-3 (print), 3-540-47387-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073061/>.

Schuur:1986:ACP

- [Sch86q] Peter Cornelis Schuur. On the approximation of a complex potential in the Zakharov–Shabat system by its reflectionless part. *Lecture Notes in Mathematics*, 1232:151–172, 1986. CODEN LNMAA2. ISBN 3-540-17203-3 (print), 3-540-47387-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073063/>.

Schuur:1986:ARP

- [Sch86r] Peter Cornelis Schuur. On the approximation of a real potential in the Zakharov–Shabat system by its reflectionless part. *Lecture Notes in Mathematics*, 1232:89–108, 1986. CODEN LNMAA2. ISBN 3-540-17203-3 (print), 3-540-47387-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073059/>.

Schwarz:1986:MSC

- [Sch86s] Mariola B. Schwarz. Mean square convergence of weak martingales. *Lecture Notes in Mathematics*, 1193:110–112, 1986. CODEN

LNMAA2. ISBN 3-540-16487-1 (print), 3-540-39826-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077102/>.

Schachermayer:1987:TJB

- [Sch87a] W. Schachermayer. On a theorem of J. Bourgain on finite dimensional decompositions and the Radon–Nikodym property. *Lecture Notes in Mathematics*, 1267:96–112, 1987. CODEN LNMAA2. ISBN 3-540-18103-2 (print), 3-540-47771-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078139/>.

Schappert:1987:CSU

- [Sch87b] Albert Schappert. A characterisation of strictly unimodular plane curve singularities. *Lecture Notes in Mathematics*, 1273:168–177, 1987. CODEN LNMAA2. ISBN 3-540-18263-2 (print), 3-540-47851-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078843/>.

Schechter:1987:CPL

- [Sch87c] Eric Schechter. Compact perturbations of linear m -dissipative operators which lack Gihman’s property. *Lecture Notes in Mathematics*, 1248:142–161, 1987. CODEN LNMAA2. ISBN 3-540-17741-8 (print), 3-540-47791-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077423/>.

Schechtman:1987:ES

- [Sch87d] Gideon Schechtman. Embedding X_p^m spaces into ℓ_r^n . *Lecture Notes in Mathematics*, 1267:53–74, 1987. CODEN LNMAA2. ISBN 3-540-18103-2 (print), 3-540-47771-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078136/>.

Schechtman:1987:DCC

- [Sch87e] V. V. Schechtman. On the delooping of Chern character and Adams operations. *Lecture Notes in Mathematics*, 1289:265–319, 1987. CODEN LNMAA2. ISBN 3-540-18571-2 (print), 3-540-48016-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078371/>.

Schmidt:1987:UEA

- [Sch87f] Roland Schmidt. Untergruppenverbände endlicher auflösbarer Gruppen. (German) []. *Lecture Notes in Mathematics*, 1281:130–150, 1987. CODEN LNMAA2. ISBN 3-540-18399-X (print), 3-540-47948-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078699/>.

Schneider:1987:GOS

- [Sch87g] W. R. Schneider. Generalized one-sided stable distributions. *Lecture Notes in Mathematics*, 1250:269–287, 1987. CODEN LNMAA2. ISBN 3-540-17797-3 (print), 3-540-47835-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077361/>.

Schober:1987:KC

- [Sch87h] Glenn E. Schober. Kirwan’s conjecture. *Lecture Notes in Mathematics*, 1275:266–271, 1987. CODEN LNMAA2. ISBN 3-540-18356-6 (print), 3-540-47899-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078358/>.

Schoissengeier:1987:EFG

- [Sch87i] Johannes Schoißengeier. Eine Explizite Formel für $\sum_{n \leq NB_2(\{n\alpha\})}$. (German) []. *Lecture Notes in Mathematics*, 1262:134–138, 1987. CODEN LNMAA2. ISBN 3-540-18015-X (print), 3-540-47256-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078602/>.

Schreyer:1987:FCC

- [Sch87j] Frank-Olaf Schreyer. Finite and countable CM-representation type. *Lecture Notes in Mathematics*, 1273:9–34, 1987. CODEN LNMAA2. ISBN 3-540-18263-2 (print), 3-540-47851-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078836/>.

Schrohe:1987:SWS

- [Sch87k] Elmar Schrohe. Spaces of weighted symbols and weighted Sobolev spaces on manifolds. *Lecture Notes in Mathematics*, 1256:360–377, 1987. CODEN LNMAA2. ISBN 3-540-17856-2 (print), 3-540-47886-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (elec-

tronic). URL <http://link.springer.com/chapter/10.1007/BFb0077751/>.

Schulze:1987:MEP

- [Sch87l] B.-W. Schulze. Mellin expansions of pseudo-differential operators and conormal asymptotics of solutions. *Lecture Notes in Mathematics*, 1256:378–401, 1987. CODEN LNMAA2. ISBN 3-540-17856-2 (print), 3-540-47886-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077752/>.

Schachermayer:1988:ECS

- [Sch88a] W. Schachermayer. An example concerning strong regularity and points of continuity in Banach spaces. *Lecture Notes in Mathematics*, 1332:64–79, 1988. CODEN LNMAA2. ISBN 3-540-50018-9 (print), 3-540-45892-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081612/>.

Schappacher:1988:AIC

- [Sch88b] Norbert Schappacher. Abelian integrals with complex multiplication. *Lecture Notes in Mathematics*, 1301:128–137, 1988. CODEN LNMAA2. ISBN 3-540-18915-7 (print), 3-540-38842-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082099/>.

Schappacher:1988:AHC

- [Sch88c] Norbert Schappacher. Algebraic Hecke characters. *Lecture Notes in Mathematics*, 1301:1–22, 1988. CODEN LNMAA2. ISBN 3-540-18915-7 (print), 3-540-38842-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082095/>.

Schappacher:1988:EIG

- [Sch88d] Norbert Schappacher. Elliptic integrals and the gamma function. *Lecture Notes in Mathematics*, 1301:117–127, 1988. CODEN LNMAA2. ISBN 3-540-18915-7 (print), 3-540-38842-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082098/>.

Schappacher:1988:MAH

- [Sch88e] Norbert Schappacher. Motives for algebraic Hecke characters. *Lecture Notes in Mathematics*, 1301:23–80, 1988. CODEN LN-

MAA2. ISBN 3-540-18915-7 (print), 3-540-38842-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082096/>.

Schappacher:1988:MCM

- [Sch88f] Norbert Schappacher. Motives of CM modular forms. *Lecture Notes in Mathematics*, 1301:138–147, 1988. CODEN LNMAA2. ISBN 3-540-18915-7 (print), 3-540-38842-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082100/>.

Schappacher:1988:PAH

- [Sch88g] Norbert Schappacher. The periods of algebraic Hecke characters. *Lecture Notes in Mathematics*, 1301:81–116, 1988. CODEN LNMAA2. ISBN 3-540-18915-7 (print), 3-540-38842-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082097/>.

Scheerer:1988:RTH

- [Sch88h] H. Scheerer. Report on tame homotopy theory via differential forms. *Lecture Notes in Mathematics*, 1318:192–207, 1988. CODEN LNMAA2. ISBN 3-540-19340-5 (print), 3-540-39204-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077803/>.

Scheinkman:1988:DGE

- [Sch88i] José A. Scheinkman. Dynamic general equilibrium models — two examples. *Lecture Notes in Mathematics*, 1330:44–71, 1988. CODEN LNMAA2. ISBN 3-540-50003-0 (print), 3-540-45883-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078158/>.

Schumacher:1988:JC

- [Sch88j] Carol S. Schumacher. JH^* had the C^*PCP . *Lecture Notes in Mathematics*, 1332:150–155, 1988. CODEN LNMAA2. ISBN 3-540-50018-9 (print), 3-540-45892-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081617/>.

Schwartz:1988:FNC

- [Sch88k] Lionel Schwartz. La filtration nilpotente de la catégorie μ et la cohomologie des espaces de lacets. (French) []. *Lecture Notes in Mathematics*, 1318:208–218, 1988. CODEN LNMAA2. ISBN

3-540-19340-5 (print), 3-540-39204-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077804/>.

Schaumloffel:1989:WNS

- [Sch89a] Kay-Uwe Schaumlöffel. White noise in space and time as the time-derivative of a cylindrical Wiener process. *Lecture Notes in Mathematics*, 1390:225–229, 1989. CODEN LNMAA2. ISBN 3-540-51510-0 (print), 3-540-48200-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083950/>.

Schechter:1989:SLE

- [Sch89b] Eric Schechter. A survey of local existence theories for abstract nonlinear initial value problems. *Lecture Notes in Mathematics*, 1394:136–184, 1989. CODEN LNMAA2. ISBN 3-540-51594-1 (print), 3-540-46679-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086759/>.

Schechtman:1989:RCD

- [Sch89c] Gideon Schechtman. A remark concerning the dependence on ϵ in Dvoretzky's theorem. *Lecture Notes in Mathematics*, 1376:274–277, 1989. CODEN LNMAA2. ISBN 3-540-51303-5 (print), 3-540-46189-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0090061/>.

Schlindwein:1989:SNS

- [Sch89d] Chaz Schlindwein. Special non-special N_1 -trees. *Lecture Notes in Mathematics*, 1401:160–166, 1989. CODEN LNMAA2. ISBN 3-540-51730-8 (print), 3-540-46795-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097338/>.

Schoen:1989:CCB

- [Sch89e] Chad Schoen. Cyclic covers of P^v branched along $v + 2$ hyperplanes and the generalized Hodge Conjecture for certain Abelian varieties. *Lecture Notes in Mathematics*, 1399:137–154, 1989. CODEN LNMAA2. ISBN 3-540-51729-4 (print), 3-540-46791-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0095974/>.

Schoen:1989:VTT

- [Sch89f] Richard M. Schoen. Variational theory for the total scalar curvature functional for Riemannian metrics and related topics. *Lecture Notes in Mathematics*, 1365:120–154, 1989. CODEN LNMAA2. ISBN 3-540-50727-2 (print), 3-540-46075-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089180/>.

Schreyer:1989:GCG

- [Sch89g] Frank-Olaf Schreyer. Green's conjecture for general P -gonal curves of large genus. *Lecture Notes in Mathematics*, 1389:254–260, 1989. CODEN LNMAA2. ISBN 3-540-51509-7 (print), 3-540-48188-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085937/>.

Scoppola:1987:ENF

- [Sco87] Carlo Maria Scoppola. An example of a nonabelian Frobenius–Wielandt complement. *Lecture Notes in Mathematics*, 1281:151–157, 1987. CODEN LNMAA2. ISBN 3-540-18399-X (print), 3-540-47948-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078700/>.

Seda:1986:SBV

- [Šed86] V. Šeda. Surjectivity and boundary value problems. *Lecture Notes in Mathematics*, 1192:161–170, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076064/>.

Segal:1985:LG

- [Seg85a] G. B. Segal. Loop groups. *Lecture Notes in Mathematics*, 1111:155–168, 1985. CODEN LNMAA2. ISBN 3-540-15195-8 (print), 3-540-39298-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084589/>.

Segal:1985:RAQ

- [Seg85b] I. E. Segal. Regularity aspects of the quantized perturbative S -matrix in 4-dimensional space–time. *Lecture Notes in Mathematics*, 1139:136–149, 1985. CODEN LNMAA2. ISBN 3-540-15666-6

(print), 3-540-39585-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074581/>.

Seidman:1987:TCL

- [Sei87] Thomas I. Seidman. Two compactness lemmas. *Lecture Notes in Mathematics*, 1248:162–168, 1987. CODEN LNMAA2. ISBN 3-540-17741-8 (print), 3-540-47791-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077424/>.

Seidman:1989:SSP

- [Sei89a] Thomas I. Seidman. Switching systems and periodicity. *Lecture Notes in Mathematics*, 1394:199–210, 1989. CODEN LNMAA2. ISBN 3-540-51594-1 (print), 3-540-46679-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086761/>.

Seidman:1989:TSP

- [Sei89b] Thomas I. Seidman. The transient semiconductor problem with generation terms, II. *Lecture Notes in Mathematics*, 1394:185–198, 1989. CODEN LNMAA2. ISBN 3-540-51594-1 (print), 3-540-46679-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086760/>.

Seligman:1986:SLM

- [Sel86] George B. Seligman. Spin-like modules for certain infinite-dimensional Lie algebras. *Lecture Notes in Mathematics*, 1220:33–55, 1986. CODEN LNMAA2. ISBN 3-540-17185-1 (print), 3-540-47255-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099504/>.

Selmi:1987:CCC

- [Sel87] Mohamed Selmi. Critère de comparaison de certains noyaux de Green. (French) []. *Lecture Notes in Mathematics*, 1235:172–194, 1987. CODEN LNMAA2. ISBN 3-540-17210-6 (print), 3-540-47406-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072756/>.

Selick:1988:MC

- [Sel88a] Paul Selick. Moore conjectures. *Lecture Notes in Mathematics*, 1318:219–227, 1988. CODEN LNMAA2. ISBN 3-540-19340-5 (print), 3-540-39204-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077805/>.

Seligman:1988:C

- [Sel88b] George B. Seligman. Complements. *Lecture Notes in Mathematics*, 1300:179–185, 1988. CODEN LNMAA2. ISBN 3-540-18973-4 (print), 3-540-38864-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079304/>.

Seligman:1988:CEA

- [Sel88c] George B. Seligman. Construction of exceptional algebras from quadratic forms. *Lecture Notes in Mathematics*, 1300:52–83, 1988. CODEN LNMAA2. ISBN 3-540-18973-4 (print), 3-540-38864-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079300/>.

Seligman:1988:CMS

- [Sel88d] George B. Seligman. Construction of modules for the super-exceptional algebras of rank one. *Lecture Notes in Mathematics*, 1300:141–178, 1988. CODEN LNMAA2. ISBN 3-540-18973-4 (print), 3-540-38864-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079303/>.

Seligman:1988:CMP

- [Sel88e] George B. Seligman. Construction of modules with prescribed relative highest weights, for the isotropic algebras of chapter 3. *Lecture Notes in Mathematics*, 1300:37–51, 1988. CODEN LNMAA2. ISBN 3-540-18973-4 (print), 3-540-38864-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079299/>.

Seligman:1988:GC

- [Sel88f] George B. Seligman. General considerations. *Lecture Notes in Mathematics*, 1300:12–20, 1988. CODEN LNMAA2. ISBN 3-540-18973-4 (print), 3-540-38864-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079297/>.

Seligman:1988:IE

- [Sel88g] George B. Seligman. An introductory example: $\mathfrak{sl}(n, D)$. *Lecture Notes in Mathematics*, 1300:1–11, 1988. CODEN LNMAA2. ISBN 3-540-18973-4 (print), 3-540-38864-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079296/>.

Seligman:1988:IAM

- [Sel88h] George B. Seligman. Involutorial algebras and modules for their skew elements. *Lecture Notes in Mathematics*, 1300:21–36, 1988. CODEN LNMAA2. ISBN 3-540-18973-4 (print), 3-540-38864-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079298/>.

Seligman:1988:NRE

- [Sel88i] George B. Seligman. Non-reduced exceptional algebras with a one-dimensional root space. *Lecture Notes in Mathematics*, 1300:115–140, 1988. CODEN LNMAA2. ISBN 3-540-18973-4 (print), 3-540-38864-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079302/>.

Seligman:1988:REA

- [Sel88j] George B. Seligman. Representations of exceptional algebras constructed from quadratic forms. *Lecture Notes in Mathematics*, 1300:84–114, 1988. CODEN LNMAA2. ISBN 3-540-18973-4 (print), 3-540-38864-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079301/>.

Seligman:1989:KMM

- [Sel89a] George B. Seligman. Kac–Moody modules and generalized Clifford algebras. *Lecture Notes in Mathematics*, 1373:124–143, 1989. CODEN LNMAA2. ISBN 3-540-51147-4 (print), 3-540-46170-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0088892/>.

Seligman:1989:WL

- [Sel89b] George B. Seligman. Workshop lectures. *Lecture Notes in Mathematics*, 1373:144–145, 1989. CODEN LNMAA2. ISBN 3-540-51147-4 (print), 3-540-46170-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0088893/>.

Seneor:1986:AFR

- [Sén86] R. Sénéor. Asymptotic freedom: a rigorous approach. *Lecture Notes in Mathematics*, 1158:234–244, 1986. CODEN LNMAA2. ISBN 3-540-15998-3 (print), 3-540-39703-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080222/>.

Serre:1989:ALM

- [Ser89] Jean-Pierre Serre, editor. *Algèbre locale, multiplicités; cours au Collège de France, 1957–1958. (French) [Local algebra, multiplicities; courses at the Collège of France, 1957–1958]*, volume 11 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1989. CODEN LNMAA2. ISBN 0-387-07028-1, 3-540-07028-1. ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 11. URL <http://link.springer.com/book/10.1007/BFb0087610>.

Sevryuk:1986:BTR

- [Sev86a] M. B. Sevryuk. The behaviour of trajectories of reversible vectorfields near a symmetric cycle. *Lecture Notes in Mathematics*, 1211:159–170, 1986. CODEN LNMAA2. ISBN 3-540-16819-2 (print), 3-540-44865-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075881/>.

Sevryuk:1986:CI

- [Sev86b] M. B. Sevryuk. Chapter introduction. *Lecture Notes in Mathematics*, 1211:1–21, 1986. CODEN LNMAA2. ISBN 3-540-16819-2 (print), 3-540-44865-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075878/>.

Sevryuk:1986:FSC

- [Sev86c] M. B. Sevryuk. Families of symmetric cycles near an equilibrium of a reversible vectorfield. *Lecture Notes in Mathematics*, 1211:228–292, 1986. CODEN LNMAA2. ISBN 3-540-16819-2 (print), 3-540-44865-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075884/>.

Sevryuk:1986:KTP

- [Sev86d] M. B. Sevryuk. Kolmogorov tori of perturbations of integrable reversible diffeomorphisms and vectorfields. *Lecture Notes in Mathe-*

matics, 1211:22–91, 1986. CODEN LNMAA2. ISBN 3-540-16819-2 (print), 3-540-44865-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075879/>.

Sevryuk:1986:NAR

- [Sev86e] M. B. Sevryuk. Non-autonomous reversible differential equations. *Lecture Notes in Mathematics*, 1211:171–180, 1986. CODEN LNMAA2. ISBN 3-540-16819-2 (print), 3-540-44865-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075882/>.

Sevryuk:1986:NFR

- [Sev86f] M. B. Sevryuk. Normal forms for reversible diffeomorphisms and vectorfields near an equilibrium and their Kolmogorov tori. *Lecture Notes in Mathematics*, 1211:92–158, 1986. CODEN LNMAA2. ISBN 3-540-16819-2 (print), 3-540-44865-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075880/>.

Sevryuk:1986:SRZ

- [Sev86g] M. B. Sevryuk. Structure of resonant zones of reversible diffeomorphisms and vectorfields. *Lecture Notes in Mathematics*, 1211:181–227, 1986. CODEN LNMAA2. ISBN 3-540-16819-2 (print), 3-540-44865-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075883/>.

Sevryuk:1986:RS

- [Sev86h] Mikhail B. Sevryuk. *Reversible Systems*, volume 1211 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16819-2 (print), 3-540-44865-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). vi + 319 pp. LCCN QA3.L28 no. 1211. URL [http://link.springer.com/book/10.1007/BFb0075877](http://link.springer.com/book/10.1007/BFb0075877;); <http://www.springerlink.com/content/978-3-540-44865-5>.

Sewell:1987:QFG

- [Sew87] Geoffrey L. Sewell. Quantum fields, gravitation and thermodynamics. *Lecture Notes in Mathematics*, 1250:288–297, 1987. CODEN LNMAA2. ISBN 3-540-17797-3 (print), 3-540-47835-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077362/>.

Schroder:1986:CSM

- [SH86] W. Schröder and D. Hänel. A comparison of several Mg-methods for the solution of the time-dependent Navier–Stokes equations. *Lecture Notes in Mathematics*, 1228:272–284, 1986. CODEN LNMAA2. ISBN 3-540-17198-3 (print), 3-540-47372-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072652/>.

Shaginyan:1987:PAV

- [Sha87] A. A. Shaginyan. On potential approximation of vector fields. *Lecture Notes in Mathematics*, 1275:272–279, 1987. CODEN LNMAA2. ISBN 3-540-18356-6 (print), 3-540-47899-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078359/>.

Shampine:1989:TPO

- [Sha89] L. F. Shampine. Tolerance proportionality in ODE codes. *Lecture Notes in Mathematics*, 1386:118–136, 1989. CODEN LNMAA2. ISBN 3-540-51478-3 (print), 3-540-48144-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089235/>.

Shcolnick:1985:RIS

- [Shc85] S. M. Shcolnick. On the ratio of independent stable random variables. *Lecture Notes in Mathematics*, 1155:349–354, 1985. CODEN LNMAA2. ISBN 3-540-15985-1 (print), 3-540-39686-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074827/>.

Shelah:1986:ACT

- [She86a] Saharon Shelah. *Around Classification Theory of Models*, volume 1182 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16448-0 (print), 3-540-39788-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). viii + 279 pp. LCCN QA3 .L28 no. 1182. URL <http://link.springer.com/book/10.1007/BFb0098503>; <http://www.springerlink.com/content/978-3-540-39788-5>.

Shelah:1986:CPI

- [She86b] Saharon Shelah. Classification over a predicate II. *Lecture Notes in Mathematics*, 1182:47–90, 1986. CODEN LNMAA2. ISBN

3-540-16448-0 (print), 3-540-39788-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098505/>.

Shelah:1986:CGQ

- [She86c] Saharon Shelah. Classifying generalized quantifiers. *Lecture Notes in Mathematics*, 1182:1–46, 1986. CODEN LNMAA2. ISBN 3-540-16448-0 (print), 3-540-39788-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098504/>.

Shelah:1986:ECS

- [She86d] Saharon Shelah. The existence of coding sets. *Lecture Notes in Mathematics*, 1182:188–202, 1986. CODEN LNMAA2. ISBN 3-540-16448-0 (print), 3-540-39788-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098510/>.

Shelah:1986:EER

- [She86e] Saharon Shelah. Existence of endo-rigid Boolean algebras. *Lecture Notes in Mathematics*, 1182:91–119, 1986. CODEN LNMAA2. ISBN 3-540-16448-0 (print), 3-540-39788-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098506/>.

Shelah:1986:MLH

- [She86f] Saharon Shelah. Monadic logic: Hanf numbers. *Lecture Notes in Mathematics*, 1182:203–223, 1986. CODEN LNMAA2. ISBN 3-540-16448-0 (print), 3-540-39788-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098511/>.

Shelah:1986:MSC

- [She86g] Saharon Shelah. More on stationary coding. *Lecture Notes in Mathematics*, 1182:224–246, 1986. CODEN LNMAA2. ISBN 3-540-16448-0 (print), 3-540-39788-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098512/>.

Shelah:1986:NSU

- [She86h] Saharon Shelah. Non standard uniserial module over a uniserial domain exists. *Lecture Notes in Mathematics*, 1182:135–150, 1986. CODEN LNMAA2. ISBN 3-540-16448-0 (print), 3-540-39788-4

(e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098508/>.

Shelah:1986:NFA

- [She86i] Saharon Shelah. A note on κ -freeness of abelian groups. *Lecture Notes in Mathematics*, 1182:260–268, 1986. CODEN LNMAA2. ISBN 3-540-16448-0 (print), 3-540-39788-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098514/>.

Shelah:1986:CTM

- [She86j] Saharon Shelah. On countable theories with models — homogeneous models only. *Lecture Notes in Mathematics*, 1182:269–271, 1986. CODEN LNMAA2. ISBN 3-540-16448-0 (print), 3-540-39788-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098515/>.

Shelah:1986:DSF

- [She86k] Saharon Shelah. On decomposable sentences for finite models. *Lecture Notes in Mathematics*, 1182:272–275, 1986. CODEN LNMAA2. ISBN 3-540-16448-0 (print), 3-540-39788-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098516/>.

Shelah:1986:NIB

- [She86l] Saharon Shelah. On normal ideals and Boolean algebras. *Lecture Notes in Mathematics*, 1182:247–259, 1986. CODEN LNMAA2. ISBN 3-540-16448-0 (print), 3-540-39788-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098513/>.

Shelah:1986:SP

- [She86m] Saharon Shelah. On the $\text{no}(M)$ for M of singular power. *Lecture Notes in Mathematics*, 1182:120–134, 1986. CODEN LNMAA2. ISBN 3-540-16448-0 (print), 3-540-39788-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098507/>.

Shelah:1986:RS

- [She86n] Saharon Shelah. Remarks on squares. *Lecture Notes in Mathematics*, 1182:276–279, 1986. CODEN LNMAA2. ISBN 3-540-16448-0

(print), 3-540-39788-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098517/>.

Shelah:1986:RNI

- [She86o] Saharon Shelah. Remarks on the numbers of ideals of Boolean algebra and open sets of a topology. *Lecture Notes in Mathematics*, 1182:151–187, 1986. CODEN LNMAA2. ISBN 3-540-16448-0 (print), 3-540-39788-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098509/>.

Shekhtman:1987:GRP

- [She87a] Boris Shekhtman. On the geometry of real polynomials. *Lecture Notes in Mathematics*, 1287:161–175, 1987. CODEN LNMAA2. ISBN 3-540-18500-3 (print), 3-540-47991-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078904/>.

Shelah:1987:ACT

- [She87b] S. Shelah. On almost categorical theories. *Lecture Notes in Mathematics*, 1292:498–500, 1987. CODEN LNMAA2. ISBN 3-540-18674-3 (print), 3-540-48049-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082244/>.

Shelah:1987:CNE

- [She87c] Saharon Shelah. Classification of non elementary classes II abstract elementary classes. *Lecture Notes in Mathematics*, 1292:419–497, 1987. CODEN LNMAA2. ISBN 3-540-18674-3 (print), 3-540-48049-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082243/>.

Shelah:1987:UC

- [She87d] Saharon Shelah. Universal classes. *Lecture Notes in Mathematics*, 1292:264–418, 1987. CODEN LNMAA2. ISBN 3-540-18674-3 (print), 3-540-48049-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082242/>.

Sher:1987:CTS

- [She87e] R. B. Sher. Complement theorems in shape theory, II. *Lecture Notes in Mathematics*, 1283:212–220, 1987. CODEN LN-

MAA2. ISBN 3-540-18443-0 (print), 3-540-47975-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081430/>.

Shelah:1989:CPP

- [She89a] Saharon Shelah. Consistency of positive partition theorems for graphs and models. *Lecture Notes in Mathematics*, 1401:167–193, 1989. CODEN LNMAA2. ISBN 3-540-51730-8 (print), 3-540-46795-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097339/>.

Shen:1989:STR

- [She89b] Yibing Shen. Stability of totally real minimal submanifolds. *Lecture Notes in Mathematics*, 1369:235–242, 1989. CODEN LNMAA2. ISBN 3-540-51037-0 (print), 3-540-46137-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087537/>.

Shinoda:1985:ATO

- [Shi85] Juichi Shinoda. Absolute type 2 objects. *Lecture Notes in Mathematics*, 1141:343–356, 1985. CODEN LNMAA2. ISBN 3-540-15673-9 (print), 3-540-39596-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076229/>.

Shi:1986:REC

- [Shi86a] Jian-Yi Shi. $\sigma^{-1}(\lambda)$ is an rl-equivalence class of A_n . *Lecture Notes in Mathematics*, 1179:235, 1986. CODEN LNMAA2. ISBN 3-540-16439-1 (print), 3-540-39780-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074983/>.

Shi:1986:AST

- [Shi86b] Jian-Yi Shi. Admissible sign types of rank n . *Lecture Notes in Mathematics*, 1179:99–113, 1986. CODEN LNMAA2. ISBN 3-540-16439-1 (print), 3-540-39780-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074975/>.

Shi:1986:ADA

- [Shi86c] Jian-Yi Shi. The algebraic descriptions of the affine Weyl group A_n of type \tilde{A}_{n-1} , $n > 2$. *Lecture Notes in Mathematics*, 1179:

66–76, 1986. CODEN LNMAA2. ISBN 3-540-16439-1 (print), 3-540-39780-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074972/>.

Shi:1986:AKL

- [Shi86d] Jian-Yi Shi. Applications of Kazhdan–Lusztig theory. *Lecture Notes in Mathematics*, 1179:32–59, 1986. CODEN LNMAA2. ISBN 3-540-16439-1 (print), 3-540-39780-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074970/>.

Shi:1986:CGH

- [Shi86e] Jian-Yi Shi. Coxeter groups, Hecke algebras and their representations. *Lecture Notes in Mathematics*, 1179:1–31, 1986. CODEN LNMAA2. ISBN 3-540-16439-1 (print), 3-540-39780-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074969/>.

Shi:1986:GIK

- [Shi86f] Jian-Yi Shi. Geometric interpretations of the Kazhdan–Lusztig polynomials. *Lecture Notes in Mathematics*, 1179:60–65, 1986. CODEN LNMAA2. ISBN 3-540-16439-1 (print), 3-540-39780-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074971/>.

Shi:1986:GDA

- [Shi86g] Jian-Yi Shi. A geometrical description of the affine Weyl group A_n . *Lecture Notes in Mathematics*, 1179:84–98, 1986. CODEN LNMAA2. ISBN 3-540-16439-1 (print), 3-540-39780-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074974/>.

Shi:1986:IAS

- [Shi86h] Jian-Yi Shi. The inserting algorithm on the set C . *Lecture Notes in Mathematics*, 1179:273–284, 1986. CODEN LNMAA2. ISBN 3-540-16439-1 (print), 3-540-39780-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074988/>.

Shi:1986:ISO

- [Shi86i] Jian-Yi Shi. Iterated star operations and interchanging operations on blocks. *Lecture Notes in Mathematics*, 1179:114–128, 1986.

CODEN LNMAA2. ISBN 3-540-16439-1 (print), 3-540-39780-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074976/>.

Shi:1986:KLC

- [Shi86j] Jian-Yi Shi. *The Kazhdan–Lusztig Cells in Certain Affine Weyl Groups*, volume 1179 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16439-1 (print), 3-540-39780-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). x + 307 pp. LCCN QA3 .L28 no. 1179. URL [http://link.springer.com/book/10.1007/BFb0074968](http://link.springer.com/book/10.1007/BFb0074968;); <http://www.springerlink.com/content/978-3-540-39780-9>.

Shi:1986:LRC

- [Shi86k] Jian-Yi Shi. The left and right cells in $\sigma^{-1}(\lambda)$. *Lecture Notes in Mathematics*, 1179:222–234, 1986. CODEN LNMAA2. ISBN 3-540-16439-1 (print), 3-540-39780-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074982/>.

Shi:1986:LCC

- [Shi86l] Jian-Yi Shi. Left cells are characterized by the generalized right τ -invariant. *Lecture Notes in Mathematics*, 1179:236–242, 1986. CODEN LNMAA2. ISBN 3-540-16439-1 (print), 3-540-39780-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074984/>.

Shi:1986:OSA

- [Shi86m] Jian-Yi Shi. The orbit space \tilde{A}_n of the affine Weyl group A_n . *Lecture Notes in Mathematics*, 1179:152–165, 1986. CODEN LNMAA2. ISBN 3-540-16439-1 (print), 3-540-39780-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074979/>.

Shi:1986:PAE

- [Shi86n] Jian-Yi Shi. The partition of n associated with an element of the affine Weyl group A_n . *Lecture Notes in Mathematics*, 1179:77–83, 1986. CODEN LNMAA2. ISBN 3-540-16439-1 (print), 3-540-39780-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074973/>.

Shi:1986:ROL

- [Shi86o] Jian-Yi Shi. Raising operations on layers. *Lecture Notes in Mathematics*, 1179:202–221, 1986. CODEN LNMAA2. ISBN 3-540-16439-1 (print), 3-540-39780-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074981/>.

Shi:1986:SBE

- [Shi86p] Jian-Yi Shi. The sequence $\xi(w, k)$ beginning with an element of N_λ . *Lecture Notes in Mathematics*, 1179:166–201, 1986. CODEN LNMAA2. ISBN 3-540-16439-1 (print), 3-540-39780-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074980/>.

Shi:1986:SNE

- [Shi86q] Jian-Yi Shi. The set N_λ of normalized elements of $\sigma^{-1}(\lambda)$. *Lecture Notes in Mathematics*, 1179:146–151, 1986. CODEN LNMAA2. ISBN 3-540-16439-1 (print), 3-540-39780-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074978/>.

Shi:1986:SPC

- [Shi86r] Jian-Yi Shi. Some properties of cells and other equivalence classes of A_n . *Lecture Notes in Mathematics*, 1179:247–255, 1986. CODEN LNMAA2. ISBN 3-540-16439-1 (print), 3-540-39780-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074986/>.

Shi:1986:SSK

- [Shi86s] Jian-Yi Shi. Some special kinds of sign types. *Lecture Notes in Mathematics*, 1179:256–272, 1986. CODEN LNMAA2. ISBN 3-540-16439-1 (print), 3-540-39780-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074987/>.

Shi:1986:SAW

- [Shi86t] Jian-Yi Shi. The subset $\sigma^{-1}(\lambda)$ of the affine Weyl group A_n . *Lecture Notes in Mathematics*, 1179:129–145, 1986. CODEN LNMAA2. ISBN 3-540-16439-1 (print), 3-540-39780-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074977/>.

Shi:1986:TSC

- [Shi86u] Jian-Yi Shi. The two-sided cells of the affine Weyl group A_n . *Lecture Notes in Mathematics*, 1179:243–246, 1986. CODEN LNMAA2. ISBN 3-540-16439-1 (print), 3-540-39780-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074985/>.

Shi:1986:NBG

- [Shi86v] Shengming Shi. On the number of p -blocks with given defect groups and some applications of the p -power homomorphism. *Lecture Notes in Mathematics*, 1185:314–339, 1986. CODEN LNMAA2. ISBN 3-540-16456-1 (print), 3-540-39793-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076182/>.

Shiohama:1986:CPB

- [Shi86w] Katsuhiko Shiohama. Critical points of Busemann functions on complete open surfaces. *Lecture Notes in Mathematics*, 1201:254–265, 1986. CODEN LNMAA2. ISBN 3-540-16770-6 (print), 3-540-38827-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075661/>.

Shiota:1987:NM

- [Shi87a] Masahiro Shiota. C^0 Nash manifolds. *Lecture Notes in Mathematics*, 1269:175–188, 1987. CODEN LNMAA2. ISBN 3-540-18102-4 (print), 3-540-47763-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078577/>.

Shiota:1987:ANMb

- [Shi87b] Masahiro Shiota. Affine C^ω Nash manifolds. *Lecture Notes in Mathematics*, 1269:189–215, 1987. CODEN LNMAA2. ISBN 3-540-18102-4 (print), 3-540-47763-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078578/>.

Shiota:1987:ANMa

- [Shi87c] Masahiro Shiota. Affine C^r Nash manifolds. *Lecture Notes in Mathematics*, 1269:142–154, 1987. CODEN LNMAA2. ISBN 3-540-18102-4 (print), 3-540-47763-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078575/>.

Shiota:1987:AT

- [Shi87d] Masahiro Shiota. Approximation theorem. *Lecture Notes in Mathematics*, 1269:79–141, 1987. CODEN LNMAA2. ISBN 3-540-18102-4 (print), 3-540-47763-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078574/>.

Shiota:1987:I

- [Shi87e] Masahiro Shiota. Introduction. *Lecture Notes in Mathematics*, 1269:1–5, 1987. CODEN LNMAA2. ISBN 3-540-18102-4 (print), 3-540-47763-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078572/>.

Shiota:1987:NNM

- [Shi87f] Masahiro Shiota. Nonaffine C^ω Nash manifolds. *Lecture Notes in Mathematics*, 1269:155–174, 1987. CODEN LNMAA2. ISBN 3-540-18102-4 (print), 3-540-47763-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078576/>.

Shiota:1987:P

- [Shi87g] Masahiro Shiota. Preliminaries. *Lecture Notes in Mathematics*, 1269:6–78, 1987. CODEN LNMAA2. ISBN 3-540-18102-4 (print), 3-540-47763-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078573/>.

Shirokov:1988:CIS

- [Shi88a] Nikolai A. Shirokov. Closed ideals in the space $X_{pq}^\mu(\omega, \ell)$. *Lecture Notes in Mathematics*, 1312:174–205, 1988. CODEN LNMAA2. ISBN 3-540-19255-7 (print), 3-540-39175-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082816/>.

Shirokov:1988:P

- [Shi88b] Nikolai A. Shirokov. The (F) -property. *Lecture Notes in Mathematics*, 1312:25–53, 1988. CODEN LNMAA2. ISBN 3-540-19255-7 (print), 3-540-39175-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082813/>.

Shirokov:1988:I

- [Shi88c] Nikolai A. Shirokov. Introduction. *Lecture Notes in Mathematics*, 1312:1–19, 1988. CODEN LNMAA2. ISBN 3-540-19255-7 (print), 3-540-39175-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082811/>.

Shirokov:1988:MAF

- [Shi88d] Nikolai A. Shirokov. Moduli of analytic functions smooth up to the boundary. *Lecture Notes in Mathematics*, 1312:54–135, 1988. CODEN LNMAA2. ISBN 3-540-19255-7 (print), 3-540-39175-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082814/>.

Shirokov:1988:N

- [Shi88e] Nikolai A. Shirokov. Notations. *Lecture Notes in Mathematics*, 1312:21–24, 1988. CODEN LNMAA2. ISBN 3-540-19255-7 (print), 3-540-39175-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082812/>.

Shirokov:1988:ZTM

- [Shi88f] Nikolai A. Shirokov. Zeros and their multiplicities. *Lecture Notes in Mathematics*, 1312:136–173, 1988. CODEN LNMAA2. ISBN 3-540-19255-7 (print), 3-540-39175-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082815/>.

Shimoda:1989:EPS

- [Shi89] Mamoru Shimoda. Elementary properties of a system of fundamental sequences for Γ_0 . *Lecture Notes in Mathematics*, 1388:141–152, 1989. CODEN LNMAA2. ISBN 3-540-51527-5 (print), 3-540-48220-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083668/>.

Shnirelman:1986:PSW

- [Shn86] A. I. Shnirel'man. On the principle of the shortest way in the dynamics of systems with constraints. *Lecture Notes in Mathematics*, 1214:117–130, 1986. CODEN LNMAA2. ISBN 3-540-16821-4 (print), 3-540-47084-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075962/>.

Showalter:1985:VTA

- [Sho85] R. E. Showalter. Variational theory and approximation of boundary value problems. *Lecture Notes in Mathematics*, 1129:140–179, 1985. CODEN LNMAA2. ISBN 3-540-15234-2 (print), 3-540-39412-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075159/>.

Shokin:1987:CAS

- [Sho87] Y. I. Shokin. A computer-aided system for investigation and construction of difference schemes of gas dynamics. *Lecture Notes in Mathematics*, 1270:128–134, 1987. CODEN LNMAA2. ISBN 3-540-18200-4 (print), 3-540-47805-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078322/>.

Siegel:1985:EAH

- [Sie85] Jerrold Siegel. Extrema associated with homotopy classes of maps. *Lecture Notes in Mathematics*, 1167:260–267, 1985. CODEN LNMAA2. ISBN 3-540-16053-1 (print), 3-540-39738-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075229/>.

Siganov:1987:SEC

- [Šig87] I. Šiganov. On stability estimates of Cramér’s theorem. *Lecture Notes in Mathematics*, 1233:178–181, 1987. CODEN LNMAA2. ISBN 3-540-17204-1 (print), 3-540-47394-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072723/>.

Silva:1988:ASC

- [Sil88a] Ana Maria F. Silva. Atiyah sequences and complete closed pseudogroups preserving a local parallelism. *Lecture Notes in Mathematics*, 1345:302–316, 1988. CODEN LNMAA2. ISBN 3-540-50226-2 (print), 3-540-45957-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081409/>.

Rehermann:1988:GFB

- [Sil88b] Celiar Silva Rehermann. Généralisation de formules de bornage de L-I et applications aux L^p . (French) []. *Lecture Notes in Mathematics*, 1354:199–208, 1988. CODEN LNMAA2. ISBN 3-540-50443-5

(print), 3-540-46005-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089597/>.

Silhol:1989:ACR

- [Sil89a] Robert Silhol. Algebraic cycles on real varieties and application to rational surfaces. *Lecture Notes in Mathematics*, 1392:56–74, 1989. CODEN LNMAA2. ISBN 3-540-51563-1 (print), 3-540-70649-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0088818/>.

Silhol:1989:DRA

- [Sil89b] Robert Silhol. Digression on real abelian varieties and classification of real abelian surfaces. *Lecture Notes in Mathematics*, 1392:75–94, 1989. CODEN LNMAA2. ISBN 3-540-51563-1 (print), 3-540-70649-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0088819/>.

Silhol:1989:GRR

- [Sil89c] Robert Silhol. General results on real algebraic surfaces. *Lecture Notes in Mathematics*, 1392:27–55, 1989. CODEN LNMAA2. ISBN 3-540-51563-1 (print), 3-540-70649-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0088817/>.

Silhol:1989:PRA

- [Sil89d] Robert Silhol. Preliminaries on real algebraic varieties. *Lecture Notes in Mathematics*, 1392:1–26, 1989. CODEN LNMAA2. ISBN 3-540-51563-1 (print), 3-540-70649-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0088816/>.

Silhol:1989:RRSb

- [Sil89e] Robert Silhol. Rational real surfaces. *Lecture Notes in Mathematics*, 1392:109–138, 1989. CODEN LNMAA2. ISBN 3-540-51563-1 (print), 3-540-70649-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0088821/>.

Silhol:1989:RS

- [Sil89f] Robert Silhol. Real K_3 surfaces. *Lecture Notes in Mathematics*, 1392:178–200, 1989. CODEN LNMAA2. ISBN 3-540-51563-1

(print), 3-540-70649-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0088823/>.

Silhol:1989:RES

[Sil89g] Robert Silhol. Real elliptic surfaces. *Lecture Notes in Mathematics*, 1392:139–177, 1989. CODEN LNMAA2. ISBN 3-540-51563-1 (print), 3-540-70649-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0088822/>.

Silhol:1989:RRSa

[Sil89h] Robert Silhol. Real ruled surfaces. *Lecture Notes in Mathematics*, 1392:95–108, 1989. CODEN LNMAA2. ISBN 3-540-51563-1 (print), 3-540-70649-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0088820/>.

Silverman:1989:IPC

[Sil89i] Joseph H. Silverman. Integral points on curves and surfaces. *Lecture Notes in Mathematics*, 1380:202–241, 1989. CODEN LNMAA2. ISBN 3-540-51397-3 (print), 3-540-46205-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086555/>.

Simon:1985:SAT

[Sim85a] Barry Simon. Some aspects of the theory of Schrödinger operators. *Lecture Notes in Mathematics*, 1159:177–203, 1985. CODEN LNMAA2. ISBN 3-540-16035-3 (print), 3-540-39706-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080333/>.

Simon:1985:BM

[Sim85b] Leon Simon. Back matter. *Lecture Notes in Mathematics*, 1161:278–289, 1985. CODEN LNMAA2. ISBN 3-540-16040-X (print), 3-540-39716-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-540-39716-8/1.pdf>.

Simon:1985:ISE

[Sim85c] Leon Simon. Isolated singularities of extrema of geometric variational problems. *Lecture Notes in Mathematics*, 1161:206–277,

1985. CODEN LNMAA2. ISBN 3-540-16040-X (print), 3-540-39716-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075139/>.

Simpson:1985:RTA

- [Sim85d] Stephen G. Simpson. Recursion theoretic aspects of the dual Ramsey theorem. *Lecture Notes in Mathematics*, 1141:357–371, 1985. CODEN LNMAA2. ISBN 3-540-15673-9 (print), 3-540-39596-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076230/>.

Simader:1986:HRW

- [Sim86] C. G. Simader. Higher regularity of weak solutions of strongly nonlinear elliptic equations. *Lecture Notes in Mathematics*, 1192:243–246, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076076/>.

Simis:1987:MBN

- [Sim87] A. Simis. Multiplicities and Betti numbers of homogeneous ideals. *Lecture Notes in Mathematics*, 1266:232–250, 1987. CODEN LNMAA2. ISBN 3-540-18020-6 (print), 3-540-47708-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078186/>.

Simon:1989:DPL

- [Sim89] Udo Simon. Dirichlet problems and the Laplacian in affine hypersurface theory. *Lecture Notes in Mathematics*, 1369:243–260, 1989. CODEN LNMAA2. ISBN 3-540-51037-0 (print), 3-540-46137-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087538/>.

Singer:1987:AHS

- [Sin87] William M. Singer. On the Λ -algebra and the homology of symmetric groups. *Lecture Notes in Mathematics*, 1286:305–341, 1987. CODEN LNMAA2. ISBN 3-540-18481-3 (print), 3-540-47986-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078749/>.

Sion:1986:BM

- [Sio86a] Maurice Sion. Back matter. *Lecture Notes in Mathematics*, 1206: 281–289, 1986. CODEN LNMAA2. ISBN 3-540-16787-0 (print), 3-540-40955-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-540-40955-7/1.pdf>.

Sion:1986:CML

- [Sio86b] Maurice Sion. Cylinder measures, local bases and nuclearity. *Lecture Notes in Mathematics*, 1206:259–280, 1986. CODEN LNMAA2. ISBN 3-540-16787-0 (print), 3-540-40955-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076304/>.

Siu:1985:SRR

- [Siu85a] Yum-Tong Siu. Some recent results in complex manifold theory related to vanishing theorems for the semipositive case. *Lecture Notes in Mathematics*, 1111:169–192, 1985. CODEN LNMAA2. ISBN 3-540-15195-8 (print), 3-540-39298-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084590/>.

Siu:1985:TOP

- [Siu85b] Yum-Tong Siu. Ten open problems connected with Hermitian and Kähler manifolds. *Lecture Notes in Mathematics*, 1165:279–280, 1985. CODEN LNMAA2. ISBN 3-540-16050-7 (print), 3-540-39734-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076160>.

Siu:1986:NVD

- [Siu86] Yum-Tong Siu. Nonequidimensional value distribution theory and subvariety extension. *Lecture Notes in Mathematics*, 1194:158–174, 1986. CODEN LNMAA2. ISBN 3-540-16490-1 (print), 3-540-39829-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077003/>.

Siu:1987:KEM

- [Siu87] Yum-Tong Siu. Kähler–Einstein metrics for the case of positive first Chern class. *Lecture Notes in Mathematics*, 1277:120–130, 1987. CODEN LNMAA2. ISBN 3-540-18355-8 (print), 3-

540-47893-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078247/>.

Sleeman:1985:OPD

- [SJ85] Brian D. Sleeman and Richard J. Jarvis, editors. *Ordinary and Partial Differential Equations: Proceedings of the Eighth Conference held at Dundee, Scotland, June 25–29, 1984*, volume 1151 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15694-1 (print), 3-540-39640-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3.L28 no. 1151. URL <http://link.springer.com/book/10.1007/BFb0074708>; <http://www.springerlink.com/content/978-3-540-39640-6>.

Stara:1986:SRR

- [SJ86] J. Stará and O. John. Some regularity results for quasilinear parabolic systems. *Lecture Notes in Mathematics*, 1192:247–250, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076077/>.

Sjostrand:1987:SRG

- [Sjö87] Johannes Sjöstrand. Semiclassical resonances generated by non-degenerate critical points. *Lecture Notes in Mathematics*, 1256:402–429, 1987. CODEN LNMAA2. ISBN 3-540-17856-2 (print), 3-540-47886-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077753/>.

Skibsted:1986:DEL

- [Ski86] Erik Skibsted. α -decay and the exponential law. *Lecture Notes in Mathematics*, 1218:201–222, 1986. CODEN LNMAA2. ISBN 3-540-16826-5 (print), 3-540-47119-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0073052/>.

Skorobogatko:1987:BCF

- [Sko87] V. Ya. Skorobogat'ko. Branched continued fractions and convergence acceleration problems. *Lecture Notes in Mathematics*, 1237:

46–50, 1987. CODEN LNMAA2. ISBN 3-540-17212-2 (print), 3-540-47412-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072453/>.

Slaman:1985:RPM

- [Sla85a] Theodore A. Slaman. Reflection and the priority method in *E*-recursion theory. *Lecture Notes in Mathematics*, 1141:372–404, 1985. CODEN LNMAA2. ISBN 3-540-15673-9 (print), 3-540-39596-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076231/>.

Slavova:1985:BEB

- [Sla85b] V. V. Slavova. On the Berry–Esseen bound for Student’s statistic. *Lecture Notes in Mathematics*, 1155:355–390, 1985. CODEN LNMAA2. ISBN 3-540-15985-1 (print), 3-540-39686-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074828/>.

Slemrod:1987:ACP

- [Sle87] M. Slemrod. Admissibility criteria for phase boundaries. *Lecture Notes in Mathematics*, 1270:163–171, 1987. CODEN LNMAA2. ISBN 3-540-18200-4 (print), 3-540-47805-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078326/>.

Smith:1985:EMS

- [Smi85a] Justin R. Smith. Equivariant Moore spaces. *Lecture Notes in Mathematics*, 1126:238–270, 1985. CODEN LNMAA2. ISBN 3-540-15235-0 (print), 3-540-39413-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074446/>.

Smith:1985:ATG

- [Smi85b] Larry Smith, editor. *Algebraic Topology Göttingen 1984: Proceedings of a Conference held in Göttingen, Nov. 9–15, 1984*, volume 1172 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-16061-2 (print), 3-540-39745-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1172. URL <http://link.springer.com/book/10.1007/BFb0074420>; <http://www.springerlink.com/content/978-3-540-39745-8>.

Smitalova:1986:DMP

- [Smi86a] K. Smítalová. Delay makes problems in population modelling. *Lecture Notes in Mathematics*, 1192:421–424, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076103/>.

Smith:1986:DOC

- [Smi86b] S. P. Smith. Differential operators on commutative algebras. *Lecture Notes in Mathematics*, 1197:165–177, 1986. CODEN LNMAA2. ISBN 3-540-16496-0 (print), 3-540-39833-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076323/>.

Smith:1986:DOA

- [Smi86c] S. P. Smith. Differential operators on the affine and projective lines in characteristic $p > 0$. *Lecture Notes in Mathematics*, 1220:157–177, 1986. CODEN LNMAA2. ISBN 3-540-17185-1 (print), 3-540-47255-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099511/>.

Smith:1987:CDO

- [Smi87] S. P. Smith. Curves, differential operators and finite dimensional algebras. *Lecture Notes in Mathematics*, 1296:158–176, 1987. CODEN LNMAA2. ISBN 3-540-18690-5 (print), 3-540-48081-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078525/>.

Smiley:1989:BSG

- [Smi89] Michael W. Smiley. Breathers for the sine-Gordon equation. *Lecture Notes in Mathematics*, 1394:211–217, 1989. CODEN LNMAA2. ISBN 3-540-51594-1 (print), 3-540-46679-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086762/>.

Solo:1986:TAT

- [Sol86] Victor Solo. Topics in advanced time series analysis. *Lecture Notes in Mathematics*, 1215:165–328, 1986. CODEN LNMAA2. ISBN 3-540-16822-2 (print), 3-540-47092-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075874/>.

Sommese:1986:ATS

- [Som86] Andrew John Sommese. On the adjunction theoretic structure of projective varieties. *Lecture Notes in Mathematics*, 1194:175–213, 1986. CODEN LNMAA2. ISBN 3-540-16490-1 (print), 3-540-39829-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077004/>.

Sondow:1985:TIP

- [Son85] Jonathan D. Sondow. Triviality of the involution on SK_1 for periodic groups. *Lecture Notes in Mathematics*, 1126:271–276, 1985. CODEN LNMAA2. ISBN 3-540-15235-0 (print), 3-540-39413-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074447/>.

Schulze-Pillot:1989:LRB

- [SP89] Rainer Schulze-Pillot. A linear relation between theta series of degree and weight 2. *Lecture Notes in Mathematics*, 1380:197–201, 1989. CODEN LNMAA2. ISBN 3-540-51397-3 (print), 3-540-46205-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086554/>.

Spekreijse:1986:SOA

- [Spe86] S. P. Spekreijse. Second order accurate upwind solutions of the 2D steady Euler equations by the use of a defect correction method. *Lecture Notes in Mathematics*, 1228:285–300, 1986. CODEN LNMAA2. ISBN 3-540-17198-3 (print), 3-540-47372-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072653/>.

Speiser:1988:TTF

- [Spe88] Robert Speiser. Transversality theorems for families of maps. *Lecture Notes in Mathematics*, 1311:235–252, 1988. CODEN LNMAA2. ISBN 3-540-19236-0 (print), 3-540-39157-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082917/>.

Springer:1985:MAF

- [Spr85] T. A. Springer. Microlocalisation algébrique. (French) []. *Lecture Notes in Mathematics*, 1146:299–316, 1985. CODEN LNMAA2. ISBN 3-540-15686-0 (print), 3-540-39628-4 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074543/>.

Springer:1986:CCA

- [Spr86] T. A. Springer. Conjugacy classes in algebraic groups. *Lecture Notes in Mathematics*, 1185:175–209, 1986. CODEN LNMAA2. ISBN 3-540-16456-1 (print), 3-540-39793-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076175/>.

Srinivasan:1985:SRN

- [Sri85] S. Srinivasan. Some remarks in number theory. *Lecture Notes in Mathematics*, 1122:201–205, 1985. CODEN LNMAA2. ISBN 3-540-15222-9 (print), 3-540-39642-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075762/>.

Sundaresan:1985:BDG

- [SS85a] Kondagunta Sundaresan and Srinivasa Swaminathan. Basic definitions and geometric properties. *Lecture Notes in Mathematics*, 1131:3–11, 1985. CODEN LNMAA2. ISBN 3-540-15237-7 (print), 3-540-39415-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075325/>.

Sundaresan:1985:GNA

- [SS85b] Kondagunta Sundaresan and Srinivasa Swaminathan. *Geometry and Nonlinear Analysis in Banach Spaces*, volume 1131 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15237-7 (print), 3-540-39415-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). 96 (est.) pp. LCCN QA3.L28 no. 1131. URL <http://link.springer.com/book/10.1007/BFb0075323>; <http://www.springerlink.com/content/978-3-540-39415-0>.

Sundaresan:1985:I

- [SS85c] Kondagunta Sundaresan and Srinivasa Swaminathan. Introduction. *Lecture Notes in Mathematics*, 1131:1–2, 1985. CODEN LNMAA2. ISBN 3-540-15237-7 (print), 3-540-39415-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075324>.

Sundaresan:1985:SPU

- [SS85d] Kondagunta Sundaresan and Srinivasa Swaminathan. Smooth partitions of unity on Banach spaces. *Lecture Notes in Mathematics*, 1131:37–66, 1985. CODEN LNMAA2. ISBN 3-540-15237-7 (print), 3-540-39415-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075327/>.

Sundaresan:1985:SAB

- [SS85e] Kondagunta Sundaresan and Srinivasa Swaminathan. Smoothness and approximation in Banach spaces. *Lecture Notes in Mathematics*, 1131:67–96, 1985. CODEN LNMAA2. ISBN 3-540-15237-7 (print), 3-540-39415-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075328/>.

Sundaresan:1985:SCB

- [SS85f] Kondagunta Sundaresan and Srinivasa Swaminathan. Smoothness classification of Banach spaces. *Lecture Notes in Mathematics*, 1131:12–36, 1985. CODEN LNMAA2. ISBN 3-540-15237-7 (print), 3-540-39415-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075326/>.

Sato:1986:SFH

- [SS86] Eiichi Sato and Heinz Spindler. On the structure of 4 folds with a hyperplane section which is a \mathbf{P}^1 bundle over a ruled surface. *Lecture Notes in Mathematics*, 1194:145–149, 1986. CODEN LNMAA2. ISBN 3-540-16490-1 (print), 3-540-39829-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077001/>.

Segal:1987:STC

- [SS87] J. Segal and S. Spieź. On shape theory with compact supports. *Lecture Notes in Mathematics*, 1283:202–211, 1987. CODEN LNMAA2. ISBN 3-540-18443-0 (print), 3-540-47975-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081429/>.

Slaman:1988:DFD

- [SS88a] Theodore A. Slaman and John R. Steel. Definable functions on degrees. *Lecture Notes in Mathematics*, 1333:37–55, 1988. CODEN

LNMAA2. ISBN 3-540-50020-0 (print), 3-540-45896-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084969/>.

Smith:1988:DSH

- [SS88b] Larry Smith and R. E. Stong. Dirichlet series and homology theory. *Lecture Notes in Mathematics*, 1326:134–149, 1988. CODEN LNMAA2. ISBN 3-540-19490-8 (print), 3-540-39300-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078043/>.

Sternin:1988:LRI

- [SS88c] B. Yu. Sternin and V. E. Shatalov. Laplace–Radon integral operators and singularities of solutions of differential equations on complex manifolds. *Lecture Notes in Mathematics*, 1334:129–156, 1988. CODEN LNMAA2. ISBN 3-540-50019-7 (print), 3-540-45894-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080426/>.

Sternin:1988:SSD

- [SS88d] B. Yu. Sternin and V. E. Shatalov. Singularities of solutions of differential equations on complex manifolds (characteristical case). *Lecture Notes in Mathematics*, 1334:269–293, 1988. CODEN LNMAA2. ISBN 3-540-50019-7 (print), 3-540-45894-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080433/>.

Shinoda:1989:CHT

- [SS89a] Juichi Shinoda and Theodore A. Slaman. The continuum hypothesis and the theory of the Kleene degrees. *Lecture Notes in Mathematics*, 1388:153–177, 1989. CODEN LNMAA2. ISBN 3-540-51527-5 (print), 3-540-48220-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083669/>.

Sitaramaiah:1989:SAF

- [SS89b] V. Sitaramaiah and M. V. Subbarao. Some asymptotic formulae involving powers of arithmetic functions. *Lecture Notes in Mathematics*, 1395:201–234, 1989. CODEN LNMAA2. ISBN 3-540-51595-X (print), 3-540-46681-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086405/>.

Shiohama:1986:CTR

- [SSS86] Katsuhiko Shiohama, Takashi Sakai, and Toshikazu Sunada, editors. *Curvature and Topology of Riemannian Manifolds: Proceedings of the 17th International Taniguchi Symposium held in Katata, Japan, Aug. 26–31, 1985*, volume 1201 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16770-6 (print), 3-540-38827-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3.L28 no. 1201. URL <http://link.springer.com/book/10.1007/BFb0075643>; <http://www.springerlink.com/content/978-3-540-38827-2>.

Sotomayor:1988:VFN

- [ST88] J. Sotomayor and M. A. Teixeira. Vector fields near the boundary of a 3-manifold. *Lecture Notes in Mathematics*, 1331:169–195, 1988. CODEN LNMAA2. ISBN 3-540-50016-2 (print), 3-540-45889-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083073/>.

Tai:1989:CSF

- [sT89a] Hsin sheng Tai. A class of symmetric functions and Chern classes of projective varieties. *Lecture Notes in Mathematics*, 1369:261–274, 1989. CODEN LNMAA2. ISBN 3-540-51037-0 (print), 3-540-46137-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087539/>.

Stromberg:1989:AD

- [ST89b] Jan-Olov Strömberg and Alberto Torchinsky. The atomic decomposition. *Lecture Notes in Mathematics*, 1381:111–121, 1989. CODEN LNMAA2. ISBN 3-540-51402-3 (print), 3-540-46207-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0091162/>.

Stromberg:1989:BI

- [ST89c] Jan-Olov Strömberg and Alberto Torchinsky. The basic inequality. *Lecture Notes in Mathematics*, 1381:122–133, 1989. CODEN LNMAA2. ISBN 3-540-51402-3 (print), 3-540-46207-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0091163/>.

Stromberg:1989:CI

- [ST89d] Jan-Olov Strömberg and Alberto Torchinsky. Complex interpolation. *Lecture Notes in Mathematics*, 1381:177–188, 1989. CODEN LNMAA2. ISBN 3-540-51402-3 (print), 3-540-46207-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0091166/>.

Stromberg:1989:DW

- [ST89e] Jan-Olov Strömberg and Alberto Torchinsky. Decomposition of weights. *Lecture Notes in Mathematics*, 1381:18–29, 1989. CODEN LNMAA2. ISBN 3-540-51402-3 (print), 3-540-46207-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0091156/>.

Stromberg:1989:DC

- [ST89f] Jan-Olov Strömberg and Alberto Torchinsky. A dense class. *Lecture Notes in Mathematics*, 1381:103–110, 1989. CODEN LNMAA2. ISBN 3-540-51402-3 (print), 3-540-46207-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0091161/>.

Stromberg:1989:D

- [ST89g] Jan-Olov Strömberg and Alberto Torchinsky. Duality. *Lecture Notes in Mathematics*, 1381:134–149, 1989. CODEN LNMAA2. ISBN 3-540-51402-3 (print), 3-540-46207-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0091164/>.

Stromberg:1989:ED

- [ST89h] Jan-Olov Strömberg and Alberto Torchinsky. Extensions of distributions. *Lecture Notes in Mathematics*, 1381:60–84, 1989. CODEN LNMAA2. ISBN 3-540-51402-3 (print), 3-540-46207-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0091159/>.

Stromberg:1989:FUH

- [ST89i] Jan-Olov Strömberg and Alberto Torchinsky. Functions in the upper half-space. *Lecture Notes in Mathematics*, 1381:48–59, 1989. CODEN LNMAA2. ISBN 3-540-51402-3 (print), 3-540-46207-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0091158/>.

Stromberg:1989:HS

- [ST89j] Jan-Olov Strömberg and Alberto Torchinsky. The Hardy spaces. *Lecture Notes in Mathematics*, 1381:85–102, 1989. CODEN LNMAA2. ISBN 3-540-51402-3 (print), 3-540-46207-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0091160/>.

Stromberg:1989:SMF

- [ST89k] Jan-Olov Strömberg and Alberto Torchinsky. Sharp maximal functions. *Lecture Notes in Mathematics*, 1381:30–47, 1989. CODEN LNMAA2. ISBN 3-540-51402-3 (print), 3-540-46207-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0091157/>.

Stromberg:1989:SIM

- [ST89l] Jan-Olov Strömberg and Alberto Torchinsky. Singular integrals and multipliers. *Lecture Notes in Mathematics*, 1381:150–176, 1989. CODEN LNMAA2. ISBN 3-540-51402-3 (print), 3-540-46207-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0091165/>.

Stromberg:1989:W

- [ST89m] Jan-Olov Strömberg and Alberto Torchinsky. Weights. *Lecture Notes in Mathematics*, 1381:1–17, 1989. CODEN LNMAA2. ISBN 3-540-51402-3 (print), 3-540-46207-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0091155/>.

Szarek:1989:IVS

- [ST89n] S. J. Szarek and M. Talagrand. An “isomorphic” version of the Sauer–Shelah lemma and the Banach–Mazur distance to the cube. *Lecture Notes in Mathematics*, 1376:105–112, 1989. CODEN LNMAA2. ISBN 3-540-51303-5 (print), 3-540-46189-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0090050/>.

Stankiewicz:1985:SOP

- [Sta85] Jan Stankiewicz. Some open problems on holomorphic functions of one variable. *Lecture Notes in Mathematics*, 1165:281–282, 1985. CODEN LNMAA2. ISBN 3-540-16050-7 (print), 3-540-39734-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076161>.

Stakgold:1986:RDP

- [Sta86a] Ivar Stakgold. Reaction-diffusion problems in chemical engineering. *Lecture Notes in Mathematics*, 1224:119–152, 1986. CODEN LNMAA2. ISBN 3-540-17192-4 (print), 3-540-47352-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072689/>.

Stanley:1986:BDC

- [Sta86b] Richard P. Stanley. A baker's dozen of conjectures concerning plane partitions. *Lecture Notes in Mathematics*, 1234:285–293, 1986. CODEN LNMAA2. ISBN 3-540-17207-6 (print), 3-540-47402-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072521/>.

Stafford:1987:GDS

- [Sta87a] J. T. Stafford. Global dimension of semiprime Noetherian rings. *Lecture Notes in Mathematics*, 1296:247–260, 1987. CODEN LNMAA2. ISBN 3-540-18690-5 (print), 3-540-48081-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078531/>.

Stahl:1987:NTH

- [Sta87b] H. R. Stahl. A note on a theorem by H. N. Mhaskar and E. B. Saff. *Lecture Notes in Mathematics*, 1287:176–179, 1987. CODEN LNMAA2. ISBN 3-540-18500-3 (print), 3-540-47991-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078905/>.

Stahl:1987:EUR

- [Sta87c] Herbert Stahl. Existence and uniqueness of rational interpolants with free and prescribed poles. *Lecture Notes in Mathematics*, 1287:180–208, 1987. CODEN LNMAA2. ISBN 3-540-18500-3 (print), 3-540-47991-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078906/>.

Stahl:1987:TDA

- [Sta87d] Herbert Stahl. Three different approaches to a proof of convergence for Padé approximants. *Lecture Notes in Mathematics*, 1237:79–124, 1987. CODEN LNMAA2. ISBN 3-540-17212-2

(print), 3-540-47412-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072458/>.

Stasheff:1988:CP

- [Sta88a] James Stasheff. Cohomological physics. *Lecture Notes in Mathematics*, 1318:228–237, 1988. CODEN LNMAA2. ISBN 3-540-19340-5 (print), 3-540-39204-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077806/>.

Stasheff:1988:CHI

- [Sta88b] James D. Stasheff. Constrained Hamiltonians an introduction to homological algebra in field theoretical physics. *Lecture Notes in Mathematics*, 1326:150–160, 1988. CODEN LNMAA2. ISBN 3-540-19490-8 (print), 3-540-39300-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078044/>.

Stein:1985:PTS

- [Ste85a] E. Stein. The practical treatment of stress concentrations and singularities within finite element displacement algorithms. *Lecture Notes in Mathematics*, 1121:278–299, 1985. CODEN LNMAA2. ISBN 3-540-15219-9 (print), 3-540-39377-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076276/>.

Steinberg:1985:SEB

- [Ste85b] J. Steinberg. Series expansions of biharmonic functions around a slit. *Lecture Notes in Mathematics*, 1121:300–307, 1985. CODEN LNMAA2. ISBN 3-540-15219-9 (print), 3-540-39377-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076277/>.

Stern:1985:GEW

- [Ste85c] Jacques Stern. Generic extensions which do not ADD random reals. *Lecture Notes in Mathematics*, 1130:395–407, 1985. CODEN LNMAA2. ISBN 3-540-15236-9 (print), 3-540-39414-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075321/>.

Steinberger:1986:HOR

- [Ste86a] Mark Steinberger. Homology operations for H_∞ and H_n ring spectra. *Lecture Notes in Mathematics*, 1176:56–87, 1986. CODEN LNMAA2. ISBN 3-540-16434-0 (print), 3-540-39778-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075408/>.

Stetter:1986:AIS

- [Ste86b] H. J. Stetter. Algorithms for the inclusion of solutions of ordinary initial value problems. *Lecture Notes in Mathematics*, 1192:85–94, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076054/>.

Steenbrink:1987:SRA

- [Ste87a] J. H. M. Steenbrink. Some remarks about the Hodge conjecture. *Lecture Notes in Mathematics*, 1246:165–175, 1987. CODEN LNMAA2. ISBN 3-540-17743-4 (print), 3-540-47794-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077538/>.

Stensones:1987:EHF

- [Ste87b] Berit Stensønes. Extendability of holomorphic functions. *Lecture Notes in Mathematics*, 1268:189–195, 1987. CODEN LNMAA2. ISBN 3-540-18094-X (print), 3-540-47752-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097303/>.

Steel:1988:LG

- [Ste88] John R. Steel. Long games. *Lecture Notes in Mathematics*, 1333:56–97, 1988. CODEN LNMAA2. ISBN 3-540-50020-0 (print), 3-540-45896-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084970/>.

Stein:1989:BCD

- [Ste89a] Alan H. Stein. Binomial coefficients not divisible by a prime. *Lecture Notes in Mathematics*, 1383:170–177, 1989. CODEN LNMAA2. ISBN 3-540-51549-6 (print), 3-540-46640-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083577/>.

Sternfeld:1989:HPD

- [Ste89b] Yaki Sternfeld. Hilbert's 13th problem and dimension. *Lecture Notes in Mathematics*, 1376:1–49, 1989. CODEN LNMAA2. ISBN 3-540-51303-5 (print), 3-540-46189-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0090047/>.

Stolz:1985:KG

- [Sto85a] Stephan Stolz. Die bP_m -Komponente von $\partial: a_m^{(k)} \rightarrow \Theta_{m-1}$. (German) []. *Lecture Notes in Mathematics*, 1116:108–114, 1985. CODEN LNMAA2. ISBN 3-540-15209-1 (print), 3-540-39334-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101617/>.

Stolz:1985:ASG

- [Sto85b] Stephan Stolz. Die Adams-Spektralsequenz. (German) []. *Lecture Notes in Mathematics*, 1116:32–34, 1985. CODEN LNMAA2. ISBN 3-540-15209-1 (print), 3-540-39334-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101609/>.

Stolz:1985:BG

- [Sto85c] Stephan Stolz. Die Bordismusgruppen $A_*^{(k)}$. (German) []. *Lecture Notes in Mathematics*, 1116:1–9, 1985. CODEN LNMAA2. ISBN 3-540-15209-1 (print), 3-540-39334-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101605/>.

Stolz:1985:KAG

- [Sto85d] Stephan Stolz. Die Kohomologie von $A[k]$. (German) []. *Lecture Notes in Mathematics*, 1116:19–31, 1985. CODEN LNMAA2. ISBN 3-540-15209-1 (print), 3-540-39334-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101608/>.

Stolz:1985:KKG

- [Sto85e] Stephan Stolz. Die Kokern J -Komponente von $\partial: a_m^{(k)} \rightarrow \Theta_{m-1}$. (German) []. *Lecture Notes in Mathematics*, 1116:99–107, 1985. CODEN LNMAA2. ISBN 3-540-15209-1 (print), 3-540-39334-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101616/>.

Stolz:1985:PTK

- [Sto85f] Stephan Stolz. Die Pontrjagin–Thom Konstruktion. (German) [The Pontryagin–Thom construction]. *Lecture Notes in Mathematics*, 1116:10–13, 1985. CODEN LNMAA2. ISBN 3-540-15209-1 (print), 3-540-39334-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101606/>.

Stolz:1985:DAS

- [Sto85g] Stephan Stolz. Differentiale in der Adams-Spektralsequenz von $A[k]$. (German) []. *Lecture Notes in Mathematics*, 1116:87–98, 1985. CODEN LNMAA2. ISBN 3-540-15209-1 (print), 3-540-39334-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101615/>.

Stolz:1985:TAS

- [Sto85h] Stephan Stolz. Ein E_1 -Term der Adams-Spektralsequenz von $A[k]$. (German) []. *Lecture Notes in Mathematics*, 1116:51–57, 1985. CODEN LNMAA2. ISBN 3-540-15209-1 (print), 3-540-39334-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101611/>.

Stolz:1985:EMB

- [Sto85i] Stephan Stolz. Eine elementare Methode zur Berechnung von Ext-Gruppen. (German) []. *Lecture Notes in Mathematics*, 1116:35–50, 1985. CODEN LNMAA2. ISBN 3-540-15209-1 (print), 3-540-39334-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101610/>.

Stolz:1985:GIE

- [Sto85j] Stephan Stolz. Geometrische Invarianten für Elemente der Filtrierung null. (German) []. *Lecture Notes in Mathematics*, 1116:58–67, 1985. CODEN LNMAA2. ISBN 3-540-15209-1 (print), 3-540-39334-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101612/>.

Stolz:1985:GKG

- [Sto85k] Stephan Stolz. Geometrische Konstruktionen. (German) [Geometrical constructions]. *Lecture Notes in Mathematics*, 1116:68–

80, 1985. CODEN LNMAA2. ISBN 3-540-15209-1 (print), 3-540-39334-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101613/>.

Stolz:1985:HMI

[Sto85l] Stephan Stolz. *Hochzusammenhängende Mannigfaltigkeiten und ihre Ränder*. (German) [*Highly-related manifolds and their boundaries*], volume 1116 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15209-1 (print), 3-540-39334-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). xxiv + 134 pp. LCCN QA3 .L28 no. 1116. URL <http://link.springer.com/book/10.1007/BFb0101604>; <http://www.springerlink.com/content/978-3-540-39334-4>.

Stolz:1985:KSA

[Sto85m] Stephan Stolz. Konstruktion des Spektrums $A[k]$. (German) []. *Lecture Notes in Mathematics*, 1116:14–18, 1985. CODEN LNMAA2. ISBN 3-540-15209-1 (print), 3-540-39334-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101607/>.

Stolz:1985:RA

[Sto85n] Stephan Stolz. Relationen in π_* ($a[k]$). *Lecture Notes in Mathematics*, 1116:81–86, 1985. CODEN LNMAA2. ISBN 3-540-15209-1 (print), 3-540-39334-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101614/>.

Stolz:1985:THM

[Sto85o] Stephan Stolz. Trägheitsgruppen hochzusammenhängender Mannigfaltigkeiten. (German) []. *Lecture Notes in Mathematics*, 1116:119–130, 1985. CODEN LNMAA2. ISBN 3-540-15209-1 (print), 3-540-39334-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101619/>.

Stolz:1985:DGH

[Sto85p] Stephan Stolz. Zur Diffeomorphieklassifikation geschlossener hochzusammenhängender Mannigfaltigkeiten. (German) []. *Lecture Notes in Mathematics*, 1116:115–118, 1985. CODEN LNMAA2. ISBN 3-540-15209-1 (print), 3-540-39334-X (e-book).

ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101618/>.

Stoll:1986:VDT

- [Sto86] Wilhelm Stoll. Value distribution theory for moving targets. *Lecture Notes in Mathematics*, 1194:214–235, 1986. CODEN LNMAA2. ISBN 3-540-16490-1 (print), 3-540-39829-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077005/>.

Stoll:1987:SRR

- [Sto87a] A. Stoll. Self-repellent random walks and polymer measures in two dimensions. *Lecture Notes in Mathematics*, 1250:298–318, 1987. CODEN LNMAA2. ISBN 3-540-17797-3 (print), 3-540-47835-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077363/>.

Stoll:1987:ARN

- [Sto87b] Wilhelm Stoll. Algebraic reduction of Nevanlinna theory. *Lecture Notes in Mathematics*, 1277:131–241, 1987. CODEN LNMAA2. ISBN 3-540-18355-8 (print), 3-540-47893-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078248/>.

Stonehewer:1987:SSF

- [Sto87c] Stewart E. Stonehewer. Subnormal subgroups of factorised groups. *Lecture Notes in Mathematics*, 1281:158–175, 1987. CODEN LNMAA2. ISBN 3-540-18399-X (print), 3-540-47948-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078701/>.

Strehl:1985:PHG

- [Str85a] Volker Strehl. Polynômes d’Hermite généralisés et identités de Szegő — une version combinatoire. (French) []. *Lecture Notes in Mathematics*, 1171:129–138, 1985. CODEN LNMAA2. ISBN 3-540-16059-0 (print), 3-540-39743-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076538/>.

Stricker:1985:RSC

- [Str85b] C. Stricker. Une remarque sur une certaine classe de semimartingales. (French) []. *Lecture Notes in Mathematics*, 1123:218–221, 1985. CODEN LNMAA2. ISBN 3-540-15230-X (print),

3-540-39397-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075850/>.

Stricker:1985:LSC

- [Str85c] Christophe Stricker. Loi de semimartingales et critères de compacité. (French) []. *Lecture Notes in Mathematics*, 1123:209–217, 1985. CODEN LNMAA2. ISBN 3-540-15230-X (print), 3-540-39397-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075849/>.

Streater:1986:FSC

- [Str86a] R. F. Streater. The fermion stochastic calculus I. *Lecture Notes in Mathematics*, 1158:245–257, 1986. CODEN LNMAA2. ISBN 3-540-15998-3 (print), 3-540-39703-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080223/>.

Strehl:1986:CJC

- [Str86b] Volker Strehl. Combinatorics of Jacobi configurations I: Complete oriented matchings. *Lecture Notes in Mathematics*, 1234:294–307, 1986. CODEN LNMAA2. ISBN 3-540-17207-6 (print), 3-540-47402-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072522/>.

Streit:1986:QTS

- [Str86c] L. Streit. Quantum theory and stochastic processes — some contact points. *Lecture Notes in Mathematics*, 1203:197–213, 1986. CODEN LNMAA2. ISBN 3-540-16773-0 (print), 3-540-39852-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076882/>.

Strelcyn:1986:PBS

- [Str86d] J.-M. Strelcyn. Plane billiards as smooth dynamical systems with singularities. *Lecture Notes in Mathematics*, 1222:199–278, 1986. CODEN LNMAA2. ISBN 3-540-17190-8 (print), 3-540-47349-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099036/>.

Stromme:1987:PRC

- [Str87a] Stein Arild Strømme. On parametrized rational curves in Grassmann varieties. *Lecture Notes in Mathematics*, 1266:251–272,

1987. CODEN LNMAA2. ISBN 3-540-18020-6 (print), 3-540-47708-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078187/>.

Stroock:1987:HCR

- [Str87b] Daniel W. Stroock. Homogeneous chaos revisited. *Lecture Notes in Mathematics*, 1247:1–7, 1987. CODEN LNMAA2. ISBN 3-540-17768-X (print), 3-540-47814-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077624/>.

Stricker:1988:PCM

- [Str88a] Christophe Stricker. À propos d’une conjecture de Meyer. (French) []. *Lecture Notes in Mathematics*, 1321:144–146, 1988. CODEN LNMAA2. ISBN 3-540-19351-0 (print), 3-540-39228-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084130/>.

Struwe:1988:AVM

- [Str88b] Michael Struwe. Applications of variational methods to problems in the geometry of surfaces. *Lecture Notes in Mathematics*, 1357:359–378, 1988. CODEN LNMAA2. ISBN 3-540-50508-3 (print), 3-540-46024-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082875/>.

Strade:1989:ATR

- [Str89a] Helmut Strade. The absolute toral rank of a Lie algebra. *Lecture Notes in Mathematics*, 1373:1–28, 1989. CODEN LNMAA2. ISBN 3-540-51147-4 (print), 3-540-46170-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0088884/>.

Strottman:1989:RHH

- [Str89b] D. Strottman. Relativistic hydrodynamics and heavy ion reactions. *Lecture Notes in Mathematics*, 1385:278–289, 1989. CODEN LNMAA2. ISBN 3-540-51466-X (print), 3-540-48142-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084035/>.

Sturm:1987:CMF

- [Stu87] Jacob Sturm. On the congruence of modular forms. *Lecture Notes in Mathematics*, 1240:275–280, 1987. CODEN LNMAA2. ISBN 3-540-17669-1 (print), 3-540-47756-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072985/>.

Sylvester:1987:RIB

- [SU87] John Sylvester and Gunther Uhlmann. Remarks on an inverse boundary value problem. *Lecture Notes in Mathematics*, 1256:430–441, 1987. CODEN LNMAA2. ISBN 3-540-17856-2 (print), 3-540-47886-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077754/>.

Sullivan:1986:CCR

- [Sul86] Wayne G. Sullivan. L^2 convergence of certain random walks on Z^d and related diffusions. *Lecture Notes in Mathematics*, 1212:249–257, 1986. CODEN LNMAA2. ISBN 3-540-16803-6 (print), 3-540-47053-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076253/>.

Suljagic:1987:ISS

- [Sul87] Salih Suljagić. Invariant subspaces of shifts in quaternionic Hilbert space. *Lecture Notes in Mathematics*, 1242:368–373, 1987. CODEN LNMAA2. ISBN 3-540-17833-3 (print), 3-540-47876-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072444/>.

Sunada:1986:FGS

- [Sun86] Toshikazu Sunada. L -functions in geometry and some applications. *Lecture Notes in Mathematics*, 1201:266–284, 1986. CODEN LNMAA2. ISBN 3-540-16770-6 (print), 3-540-38827-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075662/>.

Sunada:1987:NTA

- [Sun87] Toshikazu Sunada. Number theoretic analogues in spectral geometry. *Lecture Notes in Mathematics*, 1255:96–108, 1987. CODEN LNMAA2. ISBN 3-540-17849-X (print), 3-540-47883-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077685/>.

Sunada:1988:FGL

- [Sun88] Toshikazu Sunada. Fundamental groups and Laplacians. *Lecture Notes in Mathematics*, 1339:248–277, 1988. CODEN LNMAA2. ISBN 3-540-50113-4 (print), 3-540-45930-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083059/>.

Smith:1985:CLS

- [SV85] Roy Smith and Robert Varley. Components of the locus of singular theta divisors of genus 5. *Lecture Notes in Mathematics*, 1124:338–416, 1985. CODEN LNMAA2. ISBN 3-540-15232-6 (print), 3-540-39643-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075005/>.

Svec:1986:SPC

- [Šve86] M. Švec. Some problems concerning the equivalences of two systems of differential equations. *Lecture Notes in Mathematics*, 1192:171–179, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076065/>.

Sanchez-Valenzuela:1987:AGH

- [SVS87] Oscar A. Sánchez-Valenzuela and Shlomo Sternberg. The automorphism group of a Hermitian superalgebra. *Lecture Notes in Mathematics*, 1251:1–48, 1987. CODEN LNMAA2. ISBN 3-540-17816-3 (print), 3-540-47854-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077313/>.

Salinetti:1986:HCP

- [SW86a] G. Salinetti and R. Wets. On the hypo-convergence of probability measures. *Lecture Notes in Mathematics*, 1190:371–395, 1986. CODEN LNMAA2. ISBN 3-540-16476-6 (print), 3-540-39817-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076715/>.

Sorsdal:1986:CCC

- [SW86b] Ellen Sørsdal and Haakon Waadeland. On the convergence of a certain class of continued fractions $K(a_n/1)$ with $a_n \rightarrow \infty$. *Lecture Notes in Mathematics*, 1199:285–293, 1986. CODEN LNMAA2. ISBN 3-540-16768-4 (print), 3-540-38817-6 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075943/>.

Sasvari:1987:CDR

- [SW87] Z. Sasvári and W. Wolf. Characterizing the distributions of the random vectors X_1, X_2, X_3 by the distribution of the statistic $(X_1 - X_3, X_2 - X_3)$. *Lecture Notes in Mathematics*, 1233:172–177, 1987. CODEN LNMAA2. ISBN 3-540-17204-1 (print), 3-540-47394-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072722/>.

Serconek:1989:FRS

- [SW89a] Shirlei Serconek and Robert Lee Wilson. Forms of restricted simple Lie algebras. *Lecture Notes in Mathematics*, 1373:67–80, 1989. CODEN LNMAA2. ISBN 3-540-51147-4 (print), 3-540-46170-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0088888/>.

Slaman:1989:CFI

- [SW89b] Theodore A. Slaman and W. Hugh Woodin. Σ_1 -collection and the finite injury priority method. *Lecture Notes in Mathematics*, 1388:178–188, 1989. CODEN LNMAA2. ISBN 3-540-51527-5 (print), 3-540-48220-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083670/>.

Sternfeld:1989:ATV

- [SW89c] Yaki Sternfeld and Yitzhak Weit. An approximation theorem for vector valued functions. *Lecture Notes in Mathematics*, 1376:126–137, 1989. CODEN LNMAA2. ISBN 3-540-51303-5 (print), 3-540-46189-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0090052/>.

Sweedler:1985:IAT

- [Swe85] M. Sweedler. Introduction to the algebraic theory of positive characteristic differential geometry. *Lecture Notes in Mathematics*, 1146:317–324, 1985. CODEN LNMAA2. ISBN 3-540-15686-0 (print), 3-540-39628-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074544/>.

Sweedler:1989:PCC

- [Swe89] Moss E. Sweedler. Positive characteristic calculus and icebergs. *Lecture Notes in Mathematics*, 1383:178–185, 1989. CODEN LNMAA2. ISBN 3-540-51549-6 (print), 3-540-46640-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083578/>.

Song:1987:IPP

- [SY87] S. Song and M. Yor. Inégalités pour les processus self-similaires arrêtés à un temps quelconque. (French) []. *Lecture Notes in Mathematics*, 1247:230–245, 1987. CODEN LNMAA2. ISBN 3-540-17768-X (print), 3-540-47814-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077638/>.

Suwa:1989:ACA

- [SY89] Noriyuki Suwa and Noriko Yui. Arithmetic of certain algebraic surfaces over finite fields. *Lecture Notes in Mathematics*, 1383:186–256, 1989. CODEN LNMAA2. ISBN 3-540-51549-6 (print), 3-540-46640-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083579/>.

Schwarz:1985:GPM

- [SZ85] Binyamin Schwarz and Abraham Zaks. Geometries of the projective matrix space. *Lecture Notes in Mathematics*, 1165:261–278, 1985. CODEN LNMAA2. ISBN 3-540-16050-7 (print), 3-540-39734-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076159/>.

Steenbrink:1987:PCR

- [SZ87] Joseph Steenbrink and Steven Zucker. Polar curves, resolution of singularities and the filtered mixed Hodge structure on the vanishing cohomology. *Lecture Notes in Mathematics*, 1273:178–202, 1987. CODEN LNMAA2. ISBN 3-540-18263-2 (print), 3-540-47851-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078844/>.

Szekely:1986:HMR

- [Szé86] Gábor J. Székely. Haar measures in a representation and a decomposition problem. *Lecture Notes in Mathematics*, 1210:158–

162, 1986. CODEN LNMAA2. ISBN 3-540-16806-0 (print), 3-540-44852-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077182/>.

Szeidl:1987:EMR

- [Sze87] László Szeidl. On the estimation of moments of regenerative cycles in a general closed central-server queueing network. *Lecture Notes in Mathematics*, 1233:182–189, 1987. CODEN LNMAA2. ISBN 3-540-17204-1 (print), 3-540-47394-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072724/>.

Szpirglas:1986:QRS

- [Szp86] Aviva Szpirglas. Quelques résultats sur le schéma de Hilbert de \mathbf{C}^P des sous-ensembles analytiques compacts de dimension O de \mathbf{C}^P . (French) []. *Lecture Notes in Mathematics*, 1188:229–231, 1986. CODEN LNMAA2. ISBN 3-540-16460-X (print), 3-540-39797-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076824/>.

Tabib:1986:AIE

- [Tab86] Claudette Tabib. About the inequalities of Erdős and Moser on the largest transitive subtournament of a tournament. *Lecture Notes in Mathematics*, 1234:308–320, 1986. CODEN LNMAA2. ISBN 3-540-17207-6 (print), 3-540-47402-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072523/>.

Tachikawa:1986:SAT

- [Tac86] Hiroyuki Tachikawa. Selfinjective algebras and tilting theory. *Lecture Notes in Mathematics*, 1177:272–307, 1986. CODEN LNMAA2. ISBN 3-540-16432-4 (print), 3-540-39776-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075270/>.

Tadmor:1987:EDN

- [Tad87] Eitan Tadmor. The entropy dissipation by numerical viscosity in nonlinear conservative difference schemes. *Lecture Notes in Mathematics*, 1270:52–63, 1987. CODEN LNMAA2. ISBN 3-540-18200-4 (print), 3-540-47805-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078317/>.

Tahara:1986:FHP

- [Tah86] Hidetoshi Tahara. On Fuchsian hyperbolic partial differential equations. *Lecture Notes in Mathematics*, 1223:243–253, 1986. CODEN LNMAA2. ISBN 3-540-17191-6 (print), 3-540-47350-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099197/>.

Takens:1985:NDD

- [Tak85] Floris Takens. On the numerical determination of the dimension of an attractor. *Lecture Notes in Mathematics*, 1125:99–106, 1985. CODEN LNMAA2. ISBN 3-540-15233-4 (print), 3-540-39411-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075637/>.

Takens:1988:IGA

- [Tak88a] Floris Takens. Intermittancy: Global aspects. *Lecture Notes in Mathematics*, 1331:213–239, 1988. CODEN LNMAA2. ISBN 3-540-50016-2 (print), 3-540-45889-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083075/>.

Takens:1988:LCH

- [Tak88b] Floris Takens. Limit capacity and Hausdorff dimension of dynamically defined Cantor sets. *Lecture Notes in Mathematics*, 1331:196–212, 1988. CODEN LNMAA2. ISBN 3-540-50016-2 (print), 3-540-45889-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083074/>.

Talenti:1986:IPL

- [Tal86a] Giorgio Talenti, editor. *Inverse Problems: Lectures given at the 1st 1986 Session of the Centro Internazionale Matematico Estivo (C.I.M.E.) held at Montecatini Terme, Italy, May 28–June 5, 1986*, volume 1225 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-17193-2 (print), 3-540-47353-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1225. URL <http://link.springer.com/book/10.1007/BFb0072658>; <http://www.springerlink.com/content/978-3-540-47353-4>.

Talenti:1986:RFP

- [Tal86b] Giorgio Talenti. Rearrangements of functions and partial differential equations. *Lecture Notes in Mathematics*, 1224:153–178, 1986. CODEN LNMAA2. ISBN 3-540-17192-4 (print), 3-540-47352-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072690/>.

Tall:1989:TPS

- [Tal89] Franklin D. Tall. Topological problems for set-theorists. *Lecture Notes in Mathematics*, 1401:194–200, 1989. CODEN LNMAA2. ISBN 3-540-51730-8 (print), 3-540-46795-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097340/>.

Tanaka:1987:LDD

- [Tan87] H. Tanaka. Limit distribution for 1-dimensional diffusion in a reflected Brownian medium. *Lecture Notes in Mathematics*, 1247:246–261, 1987. CODEN LNMAA2. ISBN 3-540-17768-X (print), 3-540-47814-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077639/>.

Tan:1988:IPN

- [Tan88a] Yongji Tan. An inverse problem for nonlocal elliptic bvp and resistivity identification. *Lecture Notes in Mathematics*, 1306:149–159, 1988. CODEN LNMAA2. ISBN 3-540-19097-X (print), 3-540-39107-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082931/>.

Tanaka:1988:LTO

- [Tan88b] Hiroshi Tanaka. Limit theorem for one-dimensional diffusion process in Brownian environment. *Lecture Notes in Mathematics*, 1322:156–172, 1988. CODEN LNMAA2. ISBN 3-540-19352-9 (print), 3-540-39232-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077874/>.

Tautu:1986:SSPa

- [Tău86a] P. Tăutu. Stochastic spatial processes in biology: a concise historical survey. *Lecture Notes in Mathematics*, 1212:1–41, 1986. CODEN LNMAA2. ISBN 3-540-16803-6 (print), 3-540-47053-0

(e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076235/>.

Tautu:1986:RFA

- [Tău86b] Petre Tăutu. Random fields: Applications in cell biology. *Lecture Notes in Mathematics*, 1212:258–299, 1986. CODEN LNMAA2. ISBN 3-540-16803-6 (print), 3-540-47053-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076254/>.

Tautu:1986:SSPb

- [Tau86c] Petre Tautu, editor. *Stochastic Spatial Processes: Mathematical Theories and Biological Applications Proceedings of a Conference held in Heidelberg, September 10–14, 1984*, volume 1212 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16803-6 (print), 3-540-47053-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3.L28 no. 1212. URL [http://link.springer.com/book/10.1007/BFb0076234](http://link.springer.com/book/10.1007/BFb0076234;); <http://www.springerlink.com/content/978-3-540-47053-3>.

Taylor:1985:RGM

- [Tay85] M. J. Taylor. Relative Galois module structure of rings of integers. *Lecture Notes in Mathematics*, 1142:289–306, 1985. CODEN LNMAA2. ISBN 3-540-15674-7 (print), 3-540-39601-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074807/>.

Taylor:1986:UPM

- [Tay86] S. James Taylor. The use of packing measure in the analysis of random sets. *Lecture Notes in Mathematics*, 1203:214–222, 1986. CODEN LNMAA2. ISBN 3-540-16773-0 (print), 3-540-39852-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076883/>.

Taylor:1988:LER

- [Tay88] Jean E. Taylor. Local ellipticity of F and regularity of F minimizing currents. *Lecture Notes in Mathematics*, 1306:160–173, 1988. CODEN LNMAA2. ISBN 3-540-19097-X (print), 3-540-39107-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082932/>.

Taqqu:1985:RKH

- [TC85] Murad S. Taqqu and Claudia Czado. Reproducing kernel Hilbert space for some non-Gaussian processes. *Lecture Notes in Mathematics*, 1153:128–140, 1985. CODEN LNMAA2. ISBN 3-540-15704-2 (print), 3-540-39645-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074948/>.

Chuang:1987:TAN

- [tC87] Chi tai Chuang. On the theory and applications of Q_m -normal families of meromorphic functions. *Lecture Notes in Mathematics*, 1275:44–77, 1987. CODEN LNMAA2. ISBN 3-540-18356-6 (print), 3-540-47899-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078344/>.

tomDieck:1989:LCR

- [tD89a] Tammo tom Dieck. Linking in cyclic representation forms. *Lecture Notes in Mathematics*, 1375:42–47, 1989. CODEN LNMAA2. ISBN 3-540-51218-7 (print), 3-540-46178-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085598/>.

tomDieck:1989:MLR

- [tD89b] Tammo tom Dieck. Modification of linking in representation forms. *Lecture Notes in Mathematics*, 1375:33–41, 1989. CODEN LNMAA2. ISBN 3-540-51218-7 (print), 3-540-46178-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085597/>.

tomDieck:1985:VFD

- [tDL85] Tammo tom Dieck and Peter Löffler. Verschlingung von Fixpunktmen- gen in Darstellungsformen. I. (German) []. *Lecture Notes in Mathematics*, 1172:167–187, 1985. CODEN LNMAA2. ISBN 3-540-16061-2 (print), 3-540-39745-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074431/>.

tomDieck:1986:VFD

- [tDL86] Tammo tom Dieck and Peter Löffler. Verschlingungszahlen von Fixpunktmen- gen in Darstellungsformen. II. (German) []. *Lecture Notes in Mathematics*, 1217:84–91, 1986. CODEN LNMAA2. ISBN 3-540-16824-9 (print), 3-540-47097-2 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072816/>.

tomDieck:1989:AMP

- [tDP89] Tammo tom Dieck and Ted Petrie. The Abhyankar–Moh problem in dimension 3. *Lecture Notes in Mathematics*, 1375:48–59, 1989. CODEN LNMAA2. ISBN 3-540-51218-7 (print), 3-540-46178-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085599/>.

Thi:1986:MPV

- [Thi86] Đào Trong Thi. Multidimensional parametrized variational problems on Riemannian manifolds. *Lecture Notes in Mathematics*, 1214:40–62, 1986. CODEN LNMAA2. ISBN 3-540-16821-4 (print), 3-540-47084-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075958/>.

Thomson:1985:CS

- [Tho85a] Brian S. Thomson. Cluster sets. *Lecture Notes in Mathematics*, 1170:44–69, 1985. CODEN LNMAA2. ISBN 3-540-16058-2 (print), 3-540-39742-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074382/>.

Thomson:1985:C

- [Tho85b] Brian S. Thomson. Continuity. *Lecture Notes in Mathematics*, 1170:70–84, 1985. CODEN LNMAA2. ISBN 3-540-16058-2 (print), 3-540-39742-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074383/>.

Thomson:1985:DYR

- [Tho85c] Brian S. Thomson. The Denjoy–Young relations. *Lecture Notes in Mathematics*, 1170:166–182, 1985. CODEN LNMAA2. ISBN 3-540-16058-2 (print), 3-540-39742-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074387/>.

Thomson:1985:LS

- [Tho85d] Brian S. Thomson. Local systems. *Lecture Notes in Mathematics*, 1170:1–43, 1985. CODEN LNMAA2. ISBN 3-540-16058-2

(print), 3-540-39742-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074381/>.

Thomson:1985:M

- [Tho85e] Brian S. Thomson. Monotonicity. *Lecture Notes in Mathematics*, 1170:115–137, 1985. CODEN LNMAA2. ISBN 3-540-16058-2 (print), 3-540-39742-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074385/>.

Thomson:1985:RF

- [Tho85f] Brian S. Thomson. *Real Functions*, volume 1170 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-16058-2 (print), 3-540-39742-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). vii + 229 pp. LCCN QA3 .L28 no. 1170. URL [http://link.springer.com/book/10.1007/BFb0074380](http://link.springer.com/book/10.1007/BFb0074380;); <http://www.springerlink.com/content/978-3-540-39742-7>.

Thomson:1985:RAD

- [Tho85g] Brian S. Thomson. Relations among derivatives. *Lecture Notes in Mathematics*, 1170:138–165, 1985. CODEN LNMAA2. ISBN 3-540-16058-2 (print), 3-540-39742-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074386/>.

Thomson:1985:VF

- [Tho85h] Brian S. Thomson. Variation of a function. *Lecture Notes in Mathematics*, 1170:85–114, 1985. CODEN LNMAA2. ISBN 3-540-16058-2 (print), 3-540-39742-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074384/>.

Thomee:1986:EEF

- [Tho86a] V. Thomée. Error estimates for finite element methods for semi-linear parabolic problems with nonsmooth data. *Lecture Notes in Mathematics*, 1192:339–344, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076091/>.

Thompson:1986:SFG

- [Tho86b] John G. Thompson. Some finite groups which appear as $\text{gal}L/K$, where $K \subset Q(\mu_n)$. *Lecture Notes in Mathematics*, 1185:210–230, 1986. CODEN LNMAA2. ISBN 3-540-16456-1 (print), 3-540-39793-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076176/>.

Thomas:1987:TIS

- [Tho87] Pascal J. Thomas. Tents and interpolating sequences in the unit ball. *Lecture Notes in Mathematics*, 1276:291–302, 1987. CODEN LNMAA2. ISBN 3-540-18357-4 (print), 3-540-47904-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078965/>.

Thom:1988:BFF

- [Tho88] R. Thom. Sur les bouts d’une feuille d’un feuilletage au voisinage d’un point singulier isolé. (French) []. *Lecture Notes in Mathematics*, 1345:317–321, 1988. CODEN LNMAA2. ISBN 3-540-50226-2 (print), 3-540-45957-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081410/>.

Thron:1986:ATC

- [Thr86] Wolfgang Joseph Thron, editor. *Analytic Theory of Continued Fractions II: Proceedings of a Seminar–Workshop held in Pitlochry and Aviemore, Scotland June 13–29, 1985*, volume 1199 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 0-387-16768-4, 3-540-16768-4 (print), 3-540-38817-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1199; QA3 .L28 no. 1199 QA295. URL <http://link.springer.com/book/10.1007/BFb0075930>; <http://www.springerlink.com/content/978-3-540-38817-3>.

Thron:1989:CFI

- [Thr89] W. J. Thron. Continued fraction identities derived from the invariance of the crossratio under l.f.t. *Lecture Notes in Mathematics*, 1406:124–134, 1989. CODEN LNMAA2. ISBN 3-540-51830-4 (print), 3-540-46820-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0096170/>.

Tichy:1985:BEL

- [Tic85] Robert F. Tichy. Bemerkung Zu Einem Lemma Aus Der Variationsrechnung. (German) []. *Lecture Notes in Mathematics*, 1114: 154–157, 1985. CODEN LNMAA2. ISBN 3-540-15189-3 (print), 3-540-39281-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101654/>.

Tichy:1987:EBS

- [Tic87] Robert F. Tichy. Einige Bemerkungen über Stetige Funktionen auf Topologischen Gruppen. (German) []. *Lecture Notes in Mathematics*, 1262:139–143, 1987. CODEN LNMAA2. ISBN 3-540-18015-X (print), 3-540-47256-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078603/>.

Tietavainen:1988:IST

- [Tie88] A. Tietäväinen. Incomplete sums and two applications of Deligne's result. *Lecture Notes in Mathematics*, 1352:190–205, 1988. CODEN LNMAA2. ISBN 3-540-50371-4 (print), 3-540-45994-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082026/>.

Timmesfeld:1986:BM

- [Tim86a] F. G. Timmesfeld. Back matter. *Lecture Notes in Mathematics*, 1181:270–279, 1986. CODEN LNMAA2. ISBN 3-540-16466-9 (print), 3-540-39801-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-540-39801-1/1.pdf>.

Timmesfeld:1986:TCS

- [Tim86b] F. G. Timmesfeld. Tits chamber systems and finite group theory. *Lecture Notes in Mathematics*, 1181:249–269, 1986. CODEN LNMAA2. ISBN 3-540-16466-9 (print), 3-540-39801-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075519/>.

Timmermans:1988:SSB

- [Tim88] C. A. Timmermans. On C_0 -semigroups in a space of bounded continuous functions in the case of entrance or natural boundary points. *Lecture Notes in Mathematics*, 1354:209–216, 1988. CODEN LNMAA2. ISBN 3-540-50443-5 (print), 3-540-46005-5

(e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089598/>.

Tirapegui:1988:NFD

- [Tir88] Enrique Tirapegui. Normal forms for deterministic and stochastic systems. *Lecture Notes in Mathematics*, 1331:240–250, 1988. CODEN LNMAA2. ISBN 3-540-50016-2 (print), 3-540-45889-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083076/>.

Tits:1985:GGF

- [Tit85] Jacques Tits. Groups and group functors attached to Kac–Moody data. *Lecture Notes in Mathematics*, 1111:193–223, 1985. CODEN LNMAA2. ISBN 3-540-15195-8 (print), 3-540-39298-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084591/>.

Tits:1986:ITA

- [Tit86] Jacques Tits. Immeubles de type affine. (French) []. *Lecture Notes in Mathematics*, 1181:159–190, 1986. CODEN LNMAA2. ISBN 3-540-16466-9 (print), 3-540-39801-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075514/>.

Tits:1987:UEP

- [Tit87] Jacques Tits. Unipotent elements and parabolic subgroups of reductive groups. II. *Lecture Notes in Mathematics*, 1271:265–284, 1987. CODEN LNMAA2. ISBN 3-540-18234-9 (print), 3-540-47834-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079243/>.

Thorup:1988:CBF

- [TK88] Anders Thorup and Steven Kleiman. Complete bilinear forms. *Lecture Notes in Mathematics*, 1311:253–320, 1988. CODEN LNMAA2. ISBN 3-540-19236-0 (print), 3-540-39157-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082918/>.

Truman:1986:SMG

- [TL86] A. Truman and J. T. Lewis. The stochastic mechanics of the ground-state of the hydrogen atom. *Lecture Notes in Mathematics*, 1158:168–179, 1986. CODEN LNMAA2. ISBN 3-540-15998-3

(print), 3-540-39703-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080216/>.

Li:1988:GPR

- [tLcZ88] Ta tsien Li and Yan chun Zhao. Global perturbation of the Riemann problem for the system of one-dimensional isentropic flow. *Lecture Notes in Mathematics*, 1306:131–140, 1988. CODEN LNMAA2. ISBN 3-540-19097-X (print), 3-540-39107-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082929/>.

Li:1989:GCS

- [tLmC89] Ta tsien Li and Yun mei Chen. Global classical solutions to the Cauchy problem for nonlinear wave equations. *Lecture Notes in Mathematics*, 1402:198–202, 1989. CODEN LNMAA2. ISBN 3-540-51746-4 (print), 3-540-46800-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083876/>.

Li:1987:GSS

- [tLqL87] Ta tsien Li and Da qian Li. Global solutions to some free boundary problems for quasilinear hyperbolic systems and applications. *Lecture Notes in Mathematics*, 1270:195–209, 1987. CODEN LNMAA2. ISBN 3-540-18200-4 (print), 3-540-47805-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078329/>.

Tonev:1987:NRB

- [Ton87a] T. V. Tonev. New relations between Sibony–Basener boundaries. *Lecture Notes in Mathematics*, 1277:256–262, 1987. CODEN LNMAA2. ISBN 3-540-18355-8 (print), 3-540-47893-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078250/>.

Tonev:1987:IDG

- [Ton87b] Toma V. Tonev. An infinite-dimensional generalization of the Shilov boundary and infinite dimensional analytic structures in the spectrum of a uniform algebra. *Lecture Notes in Mathematics*, 1277:242–255, 1987. CODEN LNMAA2. ISBN 3-540-18355-8 (print), 3-540-47893-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078249/>.

Tong:1989:EW

- [Ton89] Deyu Tong. On an example of Weier. *Lecture Notes in Mathematics*, 1411:171–181, 1989. CODEN LNMAA2. ISBN 3-540-51932-7 (print), 3-540-46862-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086452/>.

Torrecillas:1986:HRT

- [Tor86] Blas Torrecillas. Height relative to a torsion theory. *Lecture Notes in Mathematics*, 1197:178–184, 1986. CODEN LNMAA2. ISBN 3-540-16496-0 (print), 3-540-39833-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076324/>.

Torres:1987:DST

- [Tor87a] Felipe Cano Torres. *Desingularization Strategies for Three-Dimensional Vector Fields*, volume 1259 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-17944-5 (print), 3-540-47173-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). x + 194 pp. LCCN QA3 .L28 no. 1259. URL [http://link.springer.com/book/10.1007/BFb0077952](http://link.springer.com/book/10.1007/BFb0077952;); <http://www.springerlink.com/content/978-3-540-47173-8>.

Torres:1987:PWS

- [Tor87b] Felipe Cano Torres. A partial winning strategy. *Lecture Notes in Mathematics*, 1259:35–78, 1987. CODEN LNMAA2. ISBN 3-540-17944-5 (print), 3-540-47173-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077954/>.

Torres:1987:RSV

- [Tor87c] Felipe Cano Torres. Resolution statements for a vector field. *Lecture Notes in Mathematics*, 1259:1–34, 1987. CODEN LNMAA2. ISBN 3-540-17944-5 (print), 3-540-47173-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077953/>.

Torres:1987:STT

- [Tor87d] Felipe Cano Torres. Standard transitions from type I. *Lecture Notes in Mathematics*, 1259:79–115, 1987. CODEN LNMAA2. ISBN 3-540-17944-5 (print), 3-540-47173-1 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077955/>.

Torres:1987:TTT

- [Tor87e] Felipe Cano Torres. Types two and three. *Lecture Notes in Mathematics*, 1259:172–185, 1987. CODEN LNMAA2. ISBN 3-540-17944-5 (print), 3-540-47173-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077957/>.

Torres:1987:WST

- [Tor87f] Felipe Cano Torres. A winning strategy for type one. *Lecture Notes in Mathematics*, 1259:116–171, 1987. CODEN LNMAA2. ISBN 3-540-17944-5 (print), 3-540-47173-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077956/>.

Tortrat:1987:API

- [Tor87g] Pierre Tortrat. Aspects potentialistes de l'iteration des polynômes. (French) []. *Lecture Notes in Mathematics*, 1235:195–209, 1987. CODEN LNMAA2. ISBN 3-540-17210-6 (print), 3-540-47406-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072757/>.

Trench:1986:LPG

- [Tre86] W. F. Trench. Linear perturbations of general disconjugate equations. *Lecture Notes in Mathematics*, 1192:181–186, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076066/>.

Tretkoff:1987:PFD

- [Tre87] Marvin Tretkoff. Picard–Fuchs differential equations for the quadratic periods of Abelian integrals of the first kind. *Lecture Notes in Mathematics*, 1277:263–289, 1987. CODEN LNMAA2. ISBN 3-540-18355-8 (print), 3-540-47893-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078251/>.

Triebel:1986:RDT

- [Tri86] H. Triebel. Recent developments in the theory of function spaces. *Lecture Notes in Mathematics*, 1192:95–106, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN

0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076055/>.

Tromba:1988:OPD

- [Tro88] A. J. Tromba. Open problems in the degree theory for disc minimal surfaces spanning a curve in \mathbf{R}^3 . *Lecture Notes in Mathematics*, 1357:379–401, 1988. CODEN LNMAA2. ISBN 3-540-50508-3 (print), 3-540-46024-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082876/>.

Tromba:1989:CVA

- [Tro89a] A. J. Tromba. A classical variational approach to Teichmüller theory. *Lecture Notes in Mathematics*, 1365:155–185, 1989. CODEN LNMAA2. ISBN 3-540-50727-2 (print), 3-540-46075-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089181/>.

Tromba:1989:FM

- [Tro89b] A. J. Tromba. Front matter. *Lecture Notes in Mathematics*, 1369:??, 1989. CODEN LNMAA2. ISBN 3-540-51037-0 (print), 3-540-46137-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-540-46137-1/1.pdf>.

Trudinger:1986:CBV

- [Tru86] N. S. Trudinger. Classical boundary value problems for Monge–Ampère type equations. *Lecture Notes in Mathematics*, 1192:251–258, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076078/>.

Tschantz:1985:MCE

- [Tsc85] Steven T. Tschantz. More conditions equivalent to congruence modularity. *Lecture Notes in Mathematics*, 1149:270–282, 1985. CODEN LNMAA2. ISBN 3-540-15691-7 (print), 3-540-39638-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0098470/>.

Tomi:1988:GPM

- [TT88] Friedrich Tomi and A. J. Tromba. A geometric proof of the Mumford compactness theorem. *Lecture Notes in Mathematics*,

1306:174–181, 1988. CODEN LNMAA2. ISBN 3-540-19097-X (print), 3-540-39107-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082933/>.

Tuan:1986:GTB

- [Tua86] Hsio-Fu Tuan, editor. *Group Theory, Beijing 1984: Proceedings of an International Symposium held in Beijing, Aug. 27–September 8, 1984*, volume 1185 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 0-387-16456-1, 3-540-16456-1 (print), 3-540-39793-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1185. URL <http://link.springer.com/book/10.1007/BFb0076169>; <http://www.springerlink.com/content/978-3-540-39793-9>.

Turner:1985:NAL

- [Tur85] Peter R. Turner, editor. *Numerical Analysis Lancaster 1984: Proceedings of the SERC Summer School held in Lancaster, England, Jul. 15–Aug. 3, 1984*, volume 1129 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15234-2 (print), 3-540-39412-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1129. URL <http://link.springer.com/book/10.1007/BFb0075155>; <http://www.springerlink.com/content/978-3-540-39412-9>.

Turnwald:1987:EBD

- [Tur87] Gerhard Turnwald. Einige Bemerkungen zur Diskreten Gleichverteilung. (German) []. *Lecture Notes in Mathematics*, 1262: 144–149, 1987. CODEN LNMAA2. ISBN 3-540-18015-X (print), 3-540-47256-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078604/>.

Turaev:1988:COM

- [Tur88a] V. G. Turaev. Classification of oriented Montesinos links via spin structures. *Lecture Notes in Mathematics*, 1346:271–289, 1988. CODEN LNMAA2. ISBN 3-540-50237-8 (print), 3-540-45958-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082779/>.

Turaev:1988:TTC

- [Tur88b] V. G. Turaev. Towards the topological classification of geometric 3-manifolds. *Lecture Notes in Mathematics*, 1346:291–323, 1988. CODEN LNMAA2. ISBN 3-540-50237-8 (print), 3-540-45958-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082780/>.

Turnwald:1989:WUD

- [Tur89] Gerhard Turnwald. Weak uniform distribution of second-order linear recurring sequences. *Lecture Notes in Mathematics*, 1380:242–253, 1989. CODEN LNMAA2. ISBN 3-540-51397-3 (print), 3-540-46205-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086556/>.

Tvrdy:1986:OCS

- [Tvr86] M. Tvrđý. On optimal control of systems with interface side conditions. *Lecture Notes in Mathematics*, 1192:187–190, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076067/>.

Tachikawa:1986:ARF

- [TW86] Hiroyuki Tachikawa and Takayoshi Wakamatsu. Applications of reflection functors for selfinjective algebras. *Lecture Notes in Mathematics*, 1177:308–327, 1986. CODEN LNMAA2. ISBN 3-540-16432-4 (print), 3-540-39776-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075271/>.

Wu:1987:CTD

- [tW87a] Wen tsun Wu. A constructive theory of differential algebraic geometry based on works of J. F. Ritt with particular applications to mechanical theorem-proving of differential geometries. *Lecture Notes in Mathematics*, 1255:173–189, 1987. CODEN LNMAA2. ISBN 3-540-17849-X (print), 3-540-47883-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077689/>.

Wu:1987:MHS

- [tW87b] Wen tsün Wu. I^* -measure of a homogeneous space — the Cartan theorem. *Lecture Notes in Mathematics*, 1264:116–142, 1987.

CODEN LNMAA2. ISBN 3-540-13611-8 (print), 3-540-39025-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082002/>.

Wu:1987:RHT

- [tW87c] Wen tsün Wu. *Rational Homotopy Type: A Constructive Study via the Theory of the I^* -measure*, volume 1264 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-13611-8 (print), 3-540-39025-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). viii + 219 pp. LCCN QA3 .L28 no. 1264. URL <http://link.springer.com/book/10.1007/BFb0081997>; <http://www.springerlink.com/content/978-3-540-39025-1>.

Ulrich:1988:EVE

- [Ulr88a] Hanno Ulrich. Equivariant vertical Euclidean neighbourhood retracts. *Lecture Notes in Mathematics*, 1343:21–59, 1988. CODEN LNMAA2. ISBN 3-540-50187-8 (print), 3-540-45950-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079802/>.

Ulrich:1988:FPI

- [Ulr88b] Hanno Ulrich. The fixed point index of equivariant vertical maps. *Lecture Notes in Mathematics*, 1343:61–136, 1988. CODEN LNMAA2. ISBN 3-540-50187-8 (print), 3-540-45950-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079803/>.

Ulrich:1988:I

- [Ulr88c] Hanno Ulrich. Introduction. *Lecture Notes in Mathematics*, 1343:1–6, 1988. CODEN LNMAA2. ISBN 3-540-50187-8 (print), 3-540-45950-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079800/>.

Ulrich:1988:PGA

- [Ulr88d] Hanno Ulrich. Preliminaries on group actions. *Lecture Notes in Mathematics*, 1343:7–20, 1988. CODEN LNMAA2. ISBN 3-540-50187-8 (print), 3-540-45950-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0079801/>.

Unger:1986:PCT

- [Ung86] Luise Unger. Preinjective components of trees. *Lecture Notes in Mathematics*, 1177:328–339, 1986. CODEN LNMAA2. ISBN 3-540-16432-4 (print), 3-540-39776-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075272/>.

Urakawa:1986:SHM

- [Ura86] Hajime Urakawa. Stability of harmonic maps and eigenvalues of Laplacian. *Lecture Notes in Mathematics*, 1201:285–307, 1986. CODEN LNMAA2. ISBN 3-540-16770-6 (print), 3-540-38827-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075663/>.

Urbanik:1986:CMM

- [Urb86] K. Urbanik. Compactness, medians and moments. *Lecture Notes in Mathematics*, 1210:163–173, 1986. CODEN LNMAA2. ISBN 3-540-16806-0 (print), 3-540-44852-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077183/>.

Ustünel:1987:SAM

- [Üst87] A. S. Üstünel. Some applications of the Malliavin calculus to stochastic analysis. *Lecture Notes in Mathematics*, 1236:230–238, 1987. CODEN LNMAA2. ISBN 3-540-17211-4 (print), 3-540-47408-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072893/>.

Ustünel:1988:SCF

- [Üst88] A. S. Üstünel. Some comments on the filtering of diffusions and the Malliavin calculus. *Lecture Notes in Mathematics*, 1316:247–266, 1988. CODEN LNMAA2. ISBN 3-540-19315-4 (print), 3-540-39186-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081934/>.

Uemura:1988:DPH

- [UW88] Hideaki Uemura and Shinzo Watanabe. Diffusion processes and heat kernels on certain nilpotent groups. *Lecture Notes in Mathematics*, 1322:173–197, 1988. CODEN LNMAA2. ISBN 3-540-19352-9 (print), 3-540-39232-7 (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077875/>.

Valette:1986:PTA

- [Val86a] J. Valette. Polynômes tordus et T -anneaux à gauche. (French) []. *Lecture Notes in Mathematics*, 1197:185–189, 1986. CODEN LNMAA2. ISBN 3-540-16496-0 (print), 3-540-39833-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076325/>.

Valli:1986:QPS

- [Val86b] A. Valli. Qualitative properties of the solutions to the Navier–Stokes equations for compressible fluids. *Lecture Notes in Mathematics*, 1192:259–264, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076079/>.

VanBuskirk:1985:PKP

- [Van85] James M. Van Buskirk. Positive knots have positive Conway polynomials. *Lecture Notes in Mathematics*, 1144:146–159, 1985. CODEN LNMAA2. ISBN 3-540-15680-1 (print), 3-540-39616-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075018/>.

VandenBergh:1986:AID

- [Van86a] M. Van den Bergh. The algebraic index of a division algebra. *Lecture Notes in Mathematics*, 1197:190–206, 1986. CODEN LNMAA2. ISBN 3-540-16496-0 (print), 3-540-39833-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076326/>.

VanPraag:1986:LLC

- [Van86b] Paul Van Praag. L'élimination linéaire dans les corps gauches. (French) []. *Lecture Notes in Mathematics*, 1220:93–108, 1986. CODEN LNMAA2. ISBN 3-540-17185-1 (print), 3-540-47255-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099507/>.

VanAssche:1987:APR

- [Van87a] Walter Van Assche. Asymptotically periodic recurrence coefficients. *Lecture Notes in Mathematics*, 1265:43–86, 1987. CODEN LNMAA2. ISBN 3-540-18023-0 (print), 3-540-47711-X (e-book).

ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081883/>.

VanAssche:1987:AOP

- [Van87b] Walter Van Assche. *Asymptotics for Orthogonal Polynomials*, volume 1265 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 0-387-18023-0 (paperback), 3-540-18023-0 (print), 3-540-47711-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). vi + 201 pp. LCCN QA3 .L28 no. 1265; QA3 .L28 no. 1265; QA404.5. URL <http://link.springer.com/book/10.1007/BFb0081880>; <http://www.springerlink.com/content/978-3-540-47711-2>.

VanAssche:1987:I

- [Van87c] Walter Van Assche. Introduction. *Lecture Notes in Mathematics*, 1265:1–13, 1987. CODEN LNMAA2. ISBN 3-540-18023-0 (print), 3-540-47711-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081881/>.

VanAssche:1987:OPC

- [Van87d] Walter Van Assche. Orthogonal polynomials on a compact set. *Lecture Notes in Mathematics*, 1265:14–42, 1987. CODEN LNMAA2. ISBN 3-540-18023-0 (print), 3-540-47711-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081882/>.

VanAssche:1987:OPU

- [Van87e] Walter Van Assche. Orthogonal polynomials on unbounded sets. *Lecture Notes in Mathematics*, 1265:105–137, 1987. CODEN LNMAA2. ISBN 3-540-18023-0 (print), 3-540-47711-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081885/>.

VanAssche:1987:PPA

- [Van87f] Walter Van Assche. Probabilistic proofs of asymptotic formulas. *Lecture Notes in Mathematics*, 1265:87–104, 1987. CODEN LNMAA2. ISBN 3-540-18023-0 (print), 3-540-47711-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081884/>.

VanAssche:1987:SA

- [Van87g] Walter Van Assche. Some applications. *Lecture Notes in Mathematics*, 1265:164–174, 1987. CODEN LNMAA2. ISBN 3-540-18023-0 (print), 3-540-47711-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081887/>.

VanAssche:1987:ZDC

- [Van87h] Walter Van Assche. Zero distribution and consequences. *Lecture Notes in Mathematics*, 1265:138–163, 1987. CODEN LNMAA2. ISBN 3-540-18023-0 (print), 3-540-47711-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081886/>.

VandenBergh:1987:RRD

- [Van87i] Michel Van den Bergh. Regular rings of dimension three. *Lecture Notes in Mathematics*, 1296:228–234, 1987. CODEN LNMAA2. ISBN 3-540-18690-5 (print), 3-540-48081-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078529/>.

Varouchas:1986:PCC

- [Var86a] J. Varouchas. Propriétés cohomologiques d’une classe de variétés analytiques complexes compactes. (French) []. *Lecture Notes in Mathematics*, 1198:233–243, 1986. CODEN LNMAA2. ISBN 3-540-16762-5 (print), 3-540-38729-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077057/>.

Varouchas:1986:IVK

- [Var86b] J. Varouchas. Sur l’image d’une variété kählérienne compacte. (French) []. *Lecture Notes in Mathematics*, 1188:245–259, 1986. CODEN LNMAA2. ISBN 3-540-16460-X (print), 3-540-39797-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076826/>.

Varadhan:1988:LDA

- [Var88a] Srinivasa R. S. Varadhan. Large deviations and applications. *Lecture Notes in Mathematics*, 1362:1–49, 1988. CODEN LNMAA2. ISBN 3-540-50549-0 (print), 3-540-46042-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086178/>.

Varchenko:1988:IPM

- [Var88b] A. N. Varchenko. Image of period mapping for simple singularities. *Lecture Notes in Mathematics*, 1334:294–308, 1988. CODEN LNMAA2. ISBN 3-540-50019-7 (print), 3-540-45894-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080434/>.

Varea:1989:SLS

- [Var89] Vicente R. Varea. The subalgebra lattice of a supersolvable Lie algebra. *Lecture Notes in Mathematics*, 1373:81–92, 1989. CODEN LNMAA2. ISBN 3-540-51147-4 (print), 3-540-46170-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0088889/>.

Vassilevski:1986:MMS

- [Vas86] Panayot Vassilevski. Multigrid method in subspace and domain partitioning in the discrete solution of elliptic problems. *Lecture Notes in Mathematics*, 1228:301–314, 1986. CODEN LNMAA2. ISBN 3-540-17198-3 (print), 3-540-47372-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072654/>.

vandenBerg:1987:AL

- [vdB87a] Imme van den Berg. Approximation lemmas. *Lecture Notes in Mathematics*, 1249:142–151, 1987. CODEN LNMAA2. ISBN 3-540-17767-1 (print), 3-540-47810-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077582/>.

vandenBerg:1987:AERb

- [vdB87b] Imme van den Berg. Asymptotic expressions for the remainders associated to expansions of type $\sum_{n=0}^{\infty} c_n \frac{z^n}{n!}$, $\sum_{n=0}^{\infty} c_n z^n$ and $\sum_{n=0c_n n! z^n}$: Critical regions, uniform behaviour. *Lecture Notes in Mathematics*, 1249:72–103, 1987. CODEN LNMAA2. ISBN 3-540-17767-1 (print), 3-540-47810-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077580/>.

vandenBerg:1987:AERa

- [vdB87c] Imme van den Berg. Asymptotic expressions for the remainders associated to expansions of type $\sum_{n=0}^{\infty} c_n \frac{z^n}{n!}$, $\sum_{n=0}^{\infty} c_n z^n$ and $\sum_{n=0c_n n! z^n}$,

where $c_{n+p}/c_n \rightarrow c$. *Lecture Notes in Mathematics*, 1249:46–71, 1987. CODEN LNMAA2. ISBN 3-540-17767-1 (print), 3-540-47810-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077579/>.

vandenBerg:1987:ES

[vdB87d] Imme van den Berg. External sets. *Lecture Notes in Mathematics*, 1249:106–141, 1987. CODEN LNMAA2. ISBN 3-540-17767-1 (print), 3-540-47810-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077581/>.

vandenBerg:1987:FEN

[vdB87e] Imme van den Berg. Four examples of nonstandard reasoning in asymptotics. *Lecture Notes in Mathematics*, 1249:2–43, 1987. CODEN LNMAA2. ISBN 3-540-17767-1 (print), 3-540-47810-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077578/>.

vandenBerg:1987:NAA

[vdB87f] Imme van den Berg. *Nonstandard Asymptotic Analysis*, volume 1249 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-17767-1 (print), 3-540-47810-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). x + 187 pp. LCCN QA3 .L28 no. 1249. URL [http://link.springer.com/book/10.1007/BFb0077577](http://link.springer.com/book/10.1007/BFb0077577;); <http://www.springerlink.com/content/978-3-540-47810-2>.

vandenBerg:1987:SE

[vdB87g] Imme van den Berg. Shadow expansions. *Lecture Notes in Mathematics*, 1249:152–176, 1987. CODEN LNMAA2. ISBN 3-540-17767-1 (print), 3-540-47810-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077583/>.

vandenBerg:1988:LTS

[vdBL88] M. van den Berg and J. T. Lewis. Limit theorems for stochastic processes associated with a boson gas. *Lecture Notes in Mathematics*, 1325:16–23, 1988. CODEN LNMAA2. ISBN 3-540-50015-4 (print), 3-540-45887-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077913/>.

vandenBerg:1988:LDB

- [vdBLP88] M. van den Berg, J. T. Lewis, and J. V. Pulé. Large deviations and the boson gas. *Lecture Notes in Mathematics*, 1325:24–39, 1988. CODEN LNMAA2. ISBN 3-540-50015-4 (print), 3-540-45887-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077914/>.

vandenEssen:1987:MRS

- [vdE87] Arno van den Essen. Modules with regular singularities over filtered rings and algebraic micro-localization. *Lecture Notes in Mathematics*, 1296:125–157, 1987. CODEN LNMAA2. ISBN 3-540-18690-5 (print), 3-540-48081-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078524/>.

vanderGeer:1985:SP

- [vdG85] Gerard van der Geer. The Schottky problem. *Lecture Notes in Mathematics*, 1111:385–406, 1985. CODEN LNMAA2. ISBN 3-540-15195-8 (print), 3-540-39298-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084599/>.

vanderGeer:1989:RDA

- [vdG89] Gerard van der Geer. On rank-1 degenerations of Abelian varieties. *Lecture Notes in Mathematics*, 1389:261–269, 1989. CODEN LNMAA2. ISBN 3-540-51509-7 (print), 3-540-48188-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085938/>.

vanderKallen:1985:MST

- [vdK85] Wilberd van der Kallen. The Merkurjev–Suslin theorem. *Lecture Notes in Mathematics*, 1142:157–168, 1985. CODEN LNMAA2. ISBN 3-540-15674-7 (print), 3-540-39601-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074799/>.

vanderMeer:1985:FPN

- [vdM85a] Jan-Cees van der Meer. Fibration preserving normal forms for energy-momentum maps. *Lecture Notes in Mathematics*, 1160:46–65, 1985. CODEN LNMAA2. ISBN 3-540-16037-X (print), 3-540-39710-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080361/>.

vanderMeer:1985:HHBa

- [vdM85b] Jan-Cees van der Meer. The Hamiltonian Hopf bifurcation. *Lecture Notes in Mathematics*, 1160:66–83, 1985. CODEN LNMAA2. ISBN 3-540-16037-X (print), 3-540-39710-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080362/>.

vanderMeer:1985:HHBb

- [vdM85c] Jan-Cees van der Meer. *The Hamiltonian Hopf Bifurcation*, volume 1160 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-16037-X (print), 3-540-39710-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). vi + 115 pp. LCCN QA3 .L28 no. 1160. URL <http://link.springer.com/book/10.1007/BFb0080357>; <http://www.springerlink.com/content/978-3-540-39710-6>.

vanderMeer:1985:I

- [vdM85d] Jan-Cees van der Meer. Introduction. *Lecture Notes in Mathematics*, 1160:1–3, 1985. CODEN LNMAA2. ISBN 3-540-16037-X (print), 3-540-39710-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080358/>.

vanderMeer:1985:NSR

- [vdM85e] Jan-Cees van der Meer. Nonintegrable systems at resonance. *Lecture Notes in Mathematics*, 1160:84–94, 1985. CODEN LNMAA2. ISBN 3-540-16037-X (print), 3-540-39710-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080363/>.

vanderMeer:1985:NFH

- [vdM85f] Jan-Cees van der Meer. Normal forms for Hamiltonian functions. *Lecture Notes in Mathematics*, 1160:19–45, 1985. CODEN LNMAA2. ISBN 3-540-16037-X (print), 3-540-39710-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080360/>.

vanderMeer:1985:P

- [vdM85g] Jan-Cees van der Meer. Preliminaries. *Lecture Notes in Mathematics*, 1160:4–18, 1985. CODEN LNMAA2. ISBN 3-540-16037-X

(print), 3-540-39710-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080359/>.

vanderMeer:1985:RPT

- [vdM85h] Jan-Cees van der Meer. The restricted problem of three bodies. *Lecture Notes in Mathematics*, 1160:95–103, 1985. CODEN LNMAA2. ISBN 3-540-16037-X (print), 3-540-39710-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080364/>.

vanderWees:1986:FME

- [vdW86] A. J. van der Wees. Fast multigrid employing ILU/SIP smoothing: a robust fast solver for 3D transonic potential flow. *Lecture Notes in Mathematics*, 1228:315–331, 1986. CODEN LNMAA2. ISBN 3-540-17198-3 (print), 3-540-47372-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072655/>.

vanEijndhoven:1985:ACL

- [vEdG85a] S. J. L. van Eijndhoven and J. de Graaf. Algebras of continuous linear mappings on analyticity spaces and trajectory spaces. *Lecture Notes in Mathematics*, 1162:133–208, 1985. CODEN LNMAA2. ISBN 3-540-16065-5 (print), 3-540-39747-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081154/>.

vanEijndhoven:1985:AST

- [vEdG85b] S. J. L. van Eijndhoven and J. de Graaf. Analyticity spaces, trajectory spaces and linear mappings between them. *Lecture Notes in Mathematics*, 1162:10–44, 1985. CODEN LNMAA2. ISBN 3-540-16065-5 (print), 3-540-39747-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081151/>.

vanEijndhoven:1985:CST

- [vEdG85c] S. J. L. van Eijndhoven and J. de Graaf. Compound spaces, tensor products and kernel theorems. *Lecture Notes in Mathematics*, 1162:77–132, 1985. CODEN LNMAA2. ISBN 3-540-16065-5 (print), 3-540-39747-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081153/>.

vanEijndhoven:1985:IEA

- [vEdG85d] S. J. L. van Eijndhoven and J. de Graaf. Illustrative examples of analyticity spaces. *Lecture Notes in Mathematics*, 1162:45–76, 1985. CODEN LNMAA2. ISBN 3-540-16065-5 (print), 3-540-39747-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081152/>.

vanEijndhoven:1985:MID

- [vEdG85e] S. J. L. van Eijndhoven and J. de Graaf. A mathematical interpretation of Dirac’s formalism for quantum mechanics. *Lecture Notes in Mathematics*, 1162:209–251, 1985. CODEN LNMAA2. ISBN 3-540-16065-5 (print), 3-540-39747-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081155/>.

vanEijndhoven:1985:P

- [vEdG85f] S. J. L. van Eijndhoven and J. de Graaf. Prologue. *Lecture Notes in Mathematics*, 1162:1–9, 1985. CODEN LNMAA2. ISBN 3-540-16065-5 (print), 3-540-39747-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081150/>.

vanEijndhoven:1985:TSG

- [vEdG85g] S. J. L. van Eijndhoven and J. de Graaf. *Trajectory Spaces, Generalized Functions and Unbounded Operators*, volume 1162 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-16065-5 (print), 3-540-39747-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). 251 (est.) pp. LCCN QA3 .L28 no. 1162. URL [http://link.springer.com/book/10.1007/BFb0081149](http://link.springer.com/book/10.1007/BFb0081149;); <http://www.springerlink.com/content/978-3-540-39747-2>.

Vegter:1985:GSG

- [Veg85] Gert Vegter. Global stability of generic two-parameter families of gradients on three-manifolds. *Lecture Notes in Mathematics*, 1125:107–129, 1985. CODEN LNMAA2. ISBN 3-540-15233-4 (print), 3-540-39411-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075638/>.

vanEngelen:1989:TRA

- [vEKM89] Fons van Engelen, Kenneth Kunen, and Arnold W. Miller. Two remarks about analytic sets. *Lecture Notes in Mathematics*, 1401: 68–72, 1989. CODEN LNMAA2. ISBN 3-540-51730-8 (print), 3-540-46795-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097332/>.

Vesentini:1985:GSL

- [Ves85] Edoardo Vesentini, editor. *Geometry Seminar “Luigi Bianchi” II- 1984: Lectures given at the Scuola Normale Superiore*, volume 1164 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-16048-5 (print), 3-540-39732-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1164. URL <http://link.springer.com/book/10.1007/BFb0081909>; <http://www.springerlink.com/content/978-3-540-39732-8>.

Vesentini:1987:HFH

- [Ves87] Edoardo Vesentini. Holomorphic families of holomorphic isometries. *Lecture Notes in Mathematics*, 1277:290–302, 1987. CODEN LNMAA2. ISBN 3-540-18355-8 (print), 3-540-47893-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078252/>.

Vershik:1988:GNS

- [VG88] A. M. Vershik and V. Ya. Gershkovich. The geometry of the non-holonomic sphere for three-dimensional Lie group. *Lecture Notes in Mathematics*, 1334:309–331, 1988. CODEN LNMAA2. ISBN 3-540-50019-7 (print), 3-540-45894-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0080435/>.

vanGeemen:1989:NQ

- [vGW89] Bert van Geemen and Jürgen Werner. Nodal quintics in P^4 . *Lecture Notes in Mathematics*, 1399:48–59, 1989. CODEN LNMAA2. ISBN 3-540-51729-4 (print), 3-540-46791-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0095968/>.

Vial:1989:UAP

- [Via89] Jean-Philippe Vial. A unified approach to projective algorithms for linear programming. *Lecture Notes in Mathematics*, 1405:191–220, 1989. CODEN LNMAA2. ISSN 0075-8434 (print), 1617-9692 (electronic).

Viennot:1985:CTG

- [Vie85] Gérard Viennot. A combinatorial theory for general orthogonal polynomials with extensions and applications. *Lecture Notes in Mathematics*, 1171:139–157, 1985. CODEN LNMAA2. ISBN 3-540-16059-0 (print), 3-540-39743-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076539/>.

Vigué:1986:QAG

- [Vig86] Jean-Pierre Vigué. Quelques applications des géodesiques complexes aux points fixes d'applications holomorphes. (French) []. *Lecture Notes in Mathematics*, 1198:244–260, 1986. CODEN LNMAA2. ISBN 3-540-16762-5 (print), 3-540-38729-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077058/>.

Vigneras:1989:CMG

- [Vig89] Marie-France Vignéras. Correspondance modulaire Galois-quaternions pour un corps p -adique. (French) []. *Lecture Notes in Mathematics*, 1380:254–266, 1989. CODEN LNMAA2. ISBN 3-540-51397-3 (print), 3-540-46205-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086557/>.

Vinter:1985:DPO

- [Vin85] R. B. Vinter. Dynamic programming for optimal control problems with terminal constraints. *Lecture Notes in Mathematics*, 1119:190–202, 1985. CODEN LNMAA2. ISBN 3-540-15217-2 (print), 3-540-39365-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074786/>.

Viro:1988:SIC

- [Vir88] O. Ya. Viro. Some integral calculus based on Euler characteristic. *Lecture Notes in Mathematics*, 1346:127–138, 1988. CODEN LNMAA2. ISBN 3-540-50237-8 (print), 3-540-45958-8 (e-book).

ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082775/>.

Verma:1985:BAT

- [VJ85] A. Verma and V. K. Jain. Basic analogues of transformations of nearly-poised basic hypergeometric series. *Lecture Notes in Mathematics*, 1122:206–217, 1985. CODEN LNMAA2. ISBN 3-540-15222-9 (print), 3-540-39642-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075763/>.

vanKampen:1987:HDS

- [vK87] N. G. van Kampen. How do stochastic processes enter into physics? *Lecture Notes in Mathematics*, 1250:128–137, 1987. CODEN LNMAA2. ISBN 3-540-17797-3 (print), 3-540-47835-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077353/>.

vanOystaeyen:1986:RTP

- [vO86] Freddy M. J. van Oystaeyen, editor. *Ring Theory: Proceedings of an International Conference held in Antwerp, April 1–5, 1985*, volume 1197 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16496-0 (print), 3-540-39833-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1197. URL <http://link.springer.com/book/10.1007/BFb0076306>; <http://www.springerlink.com/content/978-3-540-39833-2>.

Vogell:1985:IAT

- [Vog85] Wolrad Vogell. The involution in the algebraic K -theory of spaces. *Lecture Notes in Mathematics*, 1126:277–317, 1985. CODEN LNMAA2. ISBN 3-540-15235-0 (print), 3-540-39413-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074448/>.

Vogl:1987:CAK

- [Vog87a] Fritz Vogl. Über Das Cauchysche Anfangswertproblem für Eine Klasse Linearer Partieller Funktional-Differentialgleichungen. (German) []. *Lecture Notes in Mathematics*, 1262:150–158, 1987. CODEN LNMAA2. ISBN 3-540-18015-X (print), 3-540-47256-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078605/>.

Vogt:1987:REW

- [Vog87b] Andrew Vogt. The Riccati equation: When nonlinearity reduces to linearity. *Lecture Notes in Mathematics*, 1248:169–185, 1987. CODEN LNMAA2. ISBN 3-540-17741-8 (print), 3-540-47791-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077425/>.

Vogel:1988:MAL

- [Vog88] Pierre Vogel. 2×2 - matrices and application to link theory. *Lecture Notes in Mathematics*, 1361:269–298, 1988. CODEN LNMAA2. ISBN 3-540-50528-8 (print), 3-540-46036-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083040/>.

Vogt:1989:RER

- [Vog89] Andrew Vogt. The Riccati equation revisited. *Lecture Notes in Mathematics*, 1394:218–233, 1989. CODEN LNMAA2. ISBN 3-540-51594-1 (print), 3-540-46679-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086763/>.

Vojta:1987:AH

- [Voj87a] Paul Vojta. Approximation to hyperplanes. *Lecture Notes in Mathematics*, 1239:89–123, 1987. CODEN LNMAA2. ISBN 3-540-17551-2 (print), 3-540-47452-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072995/>.

Vojta:1987:CMC

- [Voj87b] Paul Vojta. Consequences of the main conjecture. *Lecture Notes in Mathematics*, 1239:46–56, 1987. CODEN LNMAA2. ISBN 3-540-17551-2 (print), 3-540-47452-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072993/>.

Vojta:1987:CNT

- [Voj87c] Paul Vojta. A correspondence with Nevanlinna theory. *Lecture Notes in Mathematics*, 1239:30–45, 1987. CODEN LNMAA2. ISBN 3-540-17551-2 (print), 3-540-47452-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072992/>.

Vojta:1987:DA

- [Voj87d] Paul Vojta. Diophantine approximations. *Lecture Notes in Mathematics*, 1239:16–29, 1987. CODEN LNMAA2. ISBN 3-540-17551-2 (print), 3-540-47452-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072991/>.

Vojta:1987:DAV

- [Voj87e] Paul Vojta. *Diophantine Approximations and Value Distribution Theory*, volume 1239 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-17551-2 (print), 3-540-47452-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). x + 132 pp. LCCN QA3 .L28 no. 1239. URL <http://link.springer.com/book/10.1007/BFb0072989>; <http://www.springerlink.com/content/978-3-540-47452-4>.

Vojta:1987:HIP

- [Voj87f] Paul Vojta. Heights and integral points. *Lecture Notes in Mathematics*, 1239:1–15, 1987. CODEN LNMAA2. ISBN 3-540-17551-2 (print), 3-540-47452-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072990/>.

Vojta:1987:RT

- [Voj87g] Paul Vojta. The ramification term. *Lecture Notes in Mathematics*, 1239:57–88, 1987. CODEN LNMAA2. ISBN 3-540-17551-2 (print), 3-540-47452-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072994/>.

Volkmer:1988:I

- [Vol88a] Hans Volkmer. Introduction. *Lecture Notes in Mathematics*, 1356:1–7, 1988. CODEN LNMAA2. ISBN 3-540-50479-6 (print), 3-540-46015-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089296/>.

Volkmer:1988:MEPb

- [Vol88b] Hans Volkmer. Multiparameter eigenvalue problems for bounded operators. *Lecture Notes in Mathematics*, 1356:21–49, 1988. CODEN LNMAA2. ISBN 3-540-50479-6 (print), 3-540-46015-2 (e-

book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089298/>.

Volkmer:1988:MEPa

- [Vol88c] Hans Volkmer. Multiparameter eigenvalue problems for Hermitian matrices. *Lecture Notes in Mathematics*, 1356:8–20, 1988. CODEN LNMAA2. ISBN 3-540-50479-6 (print), 3-540-46015-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089297/>.

Volkmer:1988:MEPc

- [Vol88d] Hans Volkmer. Multiparameter eigenvalue problems for unbounded operators. *Lecture Notes in Mathematics*, 1356:50–75, 1988. CODEN LNMAA2. ISBN 3-540-50479-6 (print), 3-540-46015-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089299/>.

Volkmer:1988:METb

- [Vol88e] Hans Volkmer. Multiparameter expansion theorems for bounded operators. *Lecture Notes in Mathematics*, 1356:87–115, 1988. CODEN LNMAA2. ISBN 3-540-50479-6 (print), 3-540-46015-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089301/>.

Volkmer:1988:METa

- [Vol88f] Hans Volkmer. Multiparameter expansion theorems for Hermitian matrices. *Lecture Notes in Mathematics*, 1356:76–86, 1988. CODEN LNMAA2. ISBN 3-540-50479-6 (print), 3-540-46015-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089300/>.

Volkmer:1988:METc

- [Vol88g] Hans Volkmer. Multiparameter expansion theorems for unbounded operators. *Lecture Notes in Mathematics*, 1356:116–141, 1988. CODEN LNMAA2. ISBN 3-540-50479-6 (print), 3-540-46015-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089302/>.

Vossieck:1986:IPC

- [Vos86a] Dieter Vossieck. On indecomposables in preprojective components. *Lecture Notes in Mathematics*, 1177:340, 1986. CODEN

LNMAA2. ISBN 3-540-16432-4 (print), 3-540-39776-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075273>.

Vossieck:1986:RTF

- [Vos86b] Dieter Vossieck. Representation theory I — finite dimensional algebras. *Lecture Notes in Mathematics*, 1177:341, 1986. CODEN LNMAA2. ISBN 3-540-16432-4 (print), 3-540-39776-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075274>.

Vigue-Poirrier:1988:CHQ

- [VP88] Micheline Vigué-Poirrier. Cyclic homology and Quillen homology of a commutative algebra. *Lecture Notes in Mathematics*, 1318:238–245, 1988. CODEN LNMAA2. ISBN 3-540-19340-5 (print), 3-540-39204-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077807/>.

VanGeel:1987:MOC

- [VS87a] Jan Van Geel and P. Salberger. Maximal orders over curves. *Lecture Notes in Mathematics*, 1296:193–213, 1987. CODEN LNMAA2. ISBN 3-540-18690-5 (print), 3-540-48081-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078527/>.

vanStraten:1987:BNM

- [vS87b] D. van Straten. On the Betti numbers of the Milnor fibre of a certain class of hypersurface singularities. *Lecture Notes in Mathematics*, 1273:203–220, 1987. CODEN LNMAA2. ISBN 3-540-18263-2 (print), 3-540-47851-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078845/>.

Vsekhsvyatskii:1985:SNR

- [Vse85] S. Yu. Vsekhsvyat-skii. Some new results in a theorem due to Renyi. *Lecture Notes in Mathematics*, 1155:391–400, 1985. CODEN LNMAA2. ISBN 3-540-15985-1 (print), 3-540-39686-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074829/>.

VanderHouwen:1989:CSC

- [VSP89] P. J. Van der Houwen, B. P. Sommeijer, and G. Pontrelli. A comparative study of Chebyshev acceleration and residue smoothing in the solution of nonlinear elliptic difference equations. *Lecture Notes in Mathematics*, 1386:69–96, 1989. CODEN LNMAA2. ISBN 3-540-51478-3 (print), 3-540-48144-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0089232/>.

Vuorinen:1988:BB

- [Vuo88a] Matti Vuorinen. Boundary behavior. *Lecture Notes in Mathematics*, 1319:173–192, 1988. CODEN LNMAA2. ISBN 3-540-19342-1 (print), 3-540-39207-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077908/>.

Vuorinen:1988:CG

- [Vuo88b] Matti Vuorinen. Conformal geometry. *Lecture Notes in Mathematics*, 1319:1–47, 1988. CODEN LNMAA2. ISBN 3-540-19342-1 (print), 3-540-39207-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077905/>.

Vuorinen:1988:MC

- [Vuo88c] Matti Vuorinen. Modulus and capacity. *Lecture Notes in Mathematics*, 1319:48–119, 1988. CODEN LNMAA2. ISBN 3-540-19342-1 (print), 3-540-39207-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077906/>.

Vuorinen:1988:QM

- [Vuo88d] Matti Vuorinen. Quasiregular mappings. *Lecture Notes in Mathematics*, 1319:120–172, 1988. CODEN LNMAA2. ISBN 3-540-19342-1 (print), 3-540-39207-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077907/>.

vonWaldenfels:1985:SSQ

- [vW85] W. von Waldenfels. Stratonovich solution of a quantum stochastic differential equation describing light emission and absorption. *Lecture Notes in Mathematics*, 1109:155–176, 1985. CODEN LNMAA2. ISBN 3-540-13914-1 (print), 3-540-39138-X (e-book).

ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101543/>.

vonWaldenfels:1986:NCA

- [vW86] Wilhelm von Waldenfels. Non-commutative algebraic central limit theorems. *Lecture Notes in Mathematics*, 1210:174–202, 1986. CODEN LNMAA2. ISBN 3-540-16806-0 (print), 3-540-44852-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077184/>.

vanWeert:1989:SPR

- [vW89] Ch. G. van Weert. Some problems in relativistic hydrodynamics. *Lecture Notes in Mathematics*, 1385:290–300, 1989. CODEN LNMAA2. ISBN 3-540-51466-X (print), 3-540-48142-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084036/>.

Vosmansky:1986:EPI

- [VZ86] Jaromír Vosmanský and Miloš Zlámal, editors. *Equadiff 6: Proceedings of the International Conference on Differential Equations and their Applications held in Brno, Czechoslovakia, Aug. 26–30, 1985*, volume 1192 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (paperback), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). LCCN QA3 .L28 no. 1192; QA299.6-433. URL <http://link.springer.com/book/10.1007/BFb0076046>.

Waadeland:1986:NPD

- [Waa86] Haakon Waadeland. A note on partial derivatives of continued fractions. *Lecture Notes in Mathematics*, 1199:294–299, 1986. CODEN LNMAA2. ISBN 3-540-16768-4 (print), 3-540-38817-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075944/>.

Waadeland:1987:LPC

- [Waa87] Haakon Waadeland. Local properties of continued fractions. *Lecture Notes in Mathematics*, 1237:239–250, 1987. CODEN LNMAA2. ISBN 3-540-17212-2 (print), 3-540-47412-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072468/>.

Waadeland:1989:BVW

- [Waa89] Haakon Waadeland. Boundary versions of Worpitzky's Theorem and of parabola theorems. *Lecture Notes in Mathematics*, 1406:135–142, 1989. CODEN LNMAA2. ISBN 3-540-51830-4 (print), 3-540-46820-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0096171/>.

Wagner:1987:TEL

- [Wag87] David H. Wagner. The transformation from Eulerian to Lagrangian coordinates for solutions with discontinuities. *Lecture Notes in Mathematics*, 1270:172–180, 1987. CODEN LNMAA2. ISBN 3-540-18200-4 (print), 3-540-47805-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078327/>.

Wainger:1989:PHA

- [Wai89] Stephen Wainger. Problems in harmonic analysis related to curves and surfaces with infinitely flat points. *Lecture Notes in Mathematics*, 1384:91–110, 1989. CODEN LNMAA2. ISBN 3-540-51460-0 (print), 3-540-48134-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086795/>.

Waksman:1987:HAM

- [Wak87] Leonid Waksman. Harmonic analysis of multi-parameter semi-groups of contractions. *Lecture Notes in Mathematics*, 1272:39–114, 1987. CODEN LNMAA2. ISBN 3-540-18316-7 (print), 3-540-47877-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078927/>.

Waldhausen:1985:ATS

- [Wal85a] Friedhelm Waldhausen. Algebraic K -theory of spaces. *Lecture Notes in Mathematics*, 1126:318–419, 1985. CODEN LNMAA2. ISBN 3-540-15235-0 (print), 3-540-39413-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074449/>.

Wall:1985:GGS

- [Wal85b] C. T. C. Wall. Geometries and geometric structures in real dimension 4 and complex dimension 2. *Lecture Notes in Mathematics*, 1167:268–292, 1985. CODEN LNMAA2. ISBN 3-540-16053-1

(print), 3-540-39738-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075230/>.

Walsh:1986:ISP

- [Wal86a] John B. Walsh. An introduction to stochastic partial differential equations. *Lecture Notes in Mathematics*, 1180:265–439, 1986. CODEN LNMAA2. ISBN 3-540-16441-3 (print), 3-540-39781-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074920/>.

Walsh:1986:MMP

- [Wal86b] John B. Walsh. Martingales with a multidimensional parameter and stochastic integrals in the plane. *Lecture Notes in Mathematics*, 1215:329–491, 1986. CODEN LNMAA2. ISBN 3-540-16822-2 (print), 3-540-47092-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075875/>.

Walters:1986:UER

- [Wal86c] Peter Walters. Unique ergodicity and random matrix products. *Lecture Notes in Mathematics*, 1186:37–55, 1986. CODEN LNMAA2. ISBN 3-540-16458-8 (print), 3-540-39795-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076832/>.

Waldvoge:1987:ZFD

- [Wal87] J. Waldvogel. Zero-free disks in families of analytic functions. *Lecture Notes in Mathematics*, 1287:209–228, 1987. CODEN LNMAA2. ISBN 3-540-18500-3 (print), 3-540-47991-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078907/>.

Wallin:1988:NOF

- [Wal88] Hans Wallin. New and old function spaces. *Lecture Notes in Mathematics*, 1302:99–114, 1988. CODEN LNMAA2. ISBN 3-540-18905-X (print), 3-540-38841-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078866/>.

Wang:1986:EQE

- [Wan86] E Fang Wang. The equitype and quasi-equitype decompositions of arbitrary permutations by permutations of order 2 or 3. *Lec-*

ture Notes in Mathematics, 1185:340–360, 1986. CODEN LNMAA2. ISBN 3-540-16456-1 (print), 3-540-39793-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076183/>.

Wang:1987:GMS

- [Wan87a] Chang-Ping Wang. On the Gauss map of submanifold in R_n and S_n . *Lecture Notes in Mathematics*, 1255:109–129, 1987. CODEN LNMAA2. ISBN 3-540-17849-X (print), 3-540-47883-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077686/>.

Wang:1987:NSE

- [Wan87b] Jinghua Wang. A nonhomogeneous system of equations of non-isentropic gas dynamics. *Lecture Notes in Mathematics*, 1270:221–237, 1987. CODEN LNMAA2. ISBN 3-540-18200-4 (print), 3-540-47805-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078331/>.

Wang:1987:AFP

- [Wan87c] Xiaolu Wang. The C^* -algebras of foliations of the plane. *Lecture Notes in Mathematics*, 1257:111–158, 1987. CODEN LNMAA2. ISBN 3-540-17903-8 (print), 3-540-47915-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077990/>.

Wang:1987:DT

- [Wan87d] Xiaolu Wang. Distinguished trees. *Lecture Notes in Mathematics*, 1257:53–110, 1987. CODEN LNMAA2. ISBN 3-540-17903-8 (print), 3-540-47915-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077989/>.

Wang:1987:FP

- [Wan87e] Xiaolu Wang. Foliation of the plane. *Lecture Notes in Mathematics*, 1257:10–34, 1987. CODEN LNMAA2. ISBN 3-540-17903-8 (print), 3-540-47915-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077987/>.

Wang:1987:I

- [Wan87f] Xiaolu Wang. Introduction. *Lecture Notes in Mathematics*, 1257:1–9, 1987. CODEN LNMAA2. ISBN 3-540-17903-8 (print), 3-

540-47915-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077986/>.

Wang:1987:CAF

- [Wan87g] Xiaolu Wang. *On the C^* -Algebras of Foliations in the Plane*, volume 1257 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-17903-8 (print), 3-540-47915-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). vi + 165 pp. LCCN QA3 .L28 no. 1257. URL <http://link.springer.com/book/10.1007/BFb0077985>; <http://www.springerlink.com/content/978-3-540-47915-4>.

Wang:1987:VTG

- [Wan87h] Xiaolu Wang. Various trees and graphs. *Lecture Notes in Mathematics*, 1257:35–52, 1987. CODEN LNMAA2. ISBN 3-540-17903-8 (print), 3-540-47915-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077988/>.

Wang:1988:HIF

- [Wan88] Guanglie Wang. Harnack inequalities for functions in De Giorgi parabolic class. *Lecture Notes in Mathematics*, 1306:182–201, 1988. CODEN LNMAA2. ISBN 3-540-19097-X (print), 3-540-39107-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082934/>.

Wang:1989:EIC

- [Wan89] Shicheng Wang. Essential invariant circles of surface automorphisms of finite order. *Lecture Notes in Mathematics*, 1369:275–285, 1989. CODEN LNMAA2. ISBN 3-540-51037-0 (print), 3-540-46137-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087540/>.

Warfield:1986:NLR

- [War86] R. B. Warfield, Jr. Noncommutative localized rings. *Lecture Notes in Mathematics*, 1220:178–200, 1986. CODEN LNMAA2. ISBN 3-540-17185-1 (print), 3-540-47255-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0099512/>.

Watanabe:1987:CAC

- [Wat87] Tadashi Watanabe. The continuity axiom and the Čech homology. *Lecture Notes in Mathematics*, 1283:221–239, 1987. CODEN LNMAA2. ISBN 3-540-18443-0 (print), 3-540-47975-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081431/>.

Watling:1988:FHK

- [Wat88] Keith D. Watling. Formulæ for the heat kernel of an elliptic operator exhibiting small-time asymptotics. *Lecture Notes in Mathematics*, 1325:167–180, 1988. CODEN LNMAA2. ISBN 3-540-50015-4 (print), 3-540-45887-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077926/>.

Weber:1988:TIP

- [Web88] Claude Weber. A topological interpretation for the polar quotients of an algebraic plane curve singularity. *Lecture Notes in Mathematics*, 1350:122–143, 1988. CODEN LNMAA2. ISBN 3-540-50369-2 (print), 3-540-45990-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081472/>.

Weinberger:1985:OFM

- [Wei85a] Shmuel Weinberger. Oliver’s formula and Minkowski’s theorem. *Lecture Notes in Mathematics*, 1126:420–421, 1985. CODEN LNMAA2. ISBN 3-540-15235-0 (print), 3-540-39413-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074450/>.

Weinberger:1985:SNC

- [Wei85b] Shmuel Weinberger. Some nilpotent complexes. *Lecture Notes in Mathematics*, 1126:422–423, 1985. CODEN LNMAA2. ISBN 3-540-15235-0 (print), 3-540-39413-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074451/>.

Weissauer:1986:AKE

- [Wei86a] Rainer Weissauer. Ableitungen der Klingenschen Eisensteinreihen. (German) []. *Lecture Notes in Mathematics*, 1219:80–83, 1986. CODEN LNMAA2. ISBN 3-540-17181-9 (print), 3-540-47248-7

(e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072243/>.

Weissauer:1986:AFG

- [Wei86b] Rainer Weissauer. Automorphe Formen. (German) [Automorphic forms]. *Lecture Notes in Mathematics*, 1219:45–50, 1986. CODEN LNMAA2. ISBN 3-540-17181-9 (print), 3-540-47248-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072239/>.

Weissauer:1986:HDS

- [Wei86c] Rainer Weissauer. Das holomorphe diskrete Spektrum von $L^2(\Gamma_n/G)$. (German) []. *Lecture Notes in Mathematics*, 1219:108–111, 1986. CODEN LNMAA2. ISBN 3-540-17181-9 (print), 3-540-47248-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072246/>.

Weissauer:1986:GG

- [Wei86d] Rainer Weissauer. Der Grenzfall $k = n + j + 1/2$. (German) []. *Lecture Notes in Mathematics*, 1219:97–107, 1986. CODEN LNMAA2. ISBN 3-540-17181-9 (print), 3-540-47248-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072245/>.

Weissauer:1986:OG

- [Wei86e] Rainer Weissauer. Der Operator $M(\rho, s)$. (German) []. *Lecture Notes in Mathematics*, 1219:112–122, 1986. CODEN LNMAA2. ISBN 3-540-17181-9 (print), 3-540-47248-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072247/>.

Weissauer:1986:SEG

- [Wei86f] Rainer Weissauer. Die Siegelschen Eisensteinreihen. (German) []. *Lecture Notes in Mathematics*, 1219:131–141, 1986. CODEN LNMAA2. ISBN 3-540-17181-9 (print), 3-540-47248-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072249/>.

Weissauer:1986:DGD

- [Wei86g] Rainer Weissauer. Differentialoperatoren. (German) [Differential operators]. *Lecture Notes in Mathematics*, 1219:23–44, 1986. CODEN LNMAA2. ISBN 3-540-17181-9 (print), 3-540-47248-7 (e-

book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072238/>.

Weissauer:1986:EGE

- [Wei86h] Rainer Weissauer. Eisensteinreihen. (German) [Eisenstein series]. *Lecture Notes in Mathematics*, 1219:59–67, 1986. CODEN LNMAA2. ISBN 3-540-17181-9 (print), 3-540-47248-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072241/>.

Weissauer:1986:EKT

- [Wei86i] Rainer Weissauer. Eisensteinreihen vom Klingenschen Typ. (German) []. *Lecture Notes in Mathematics*, 1219:68–79, 1986. CODEN LNMAA2. ISBN 3-540-17181-9 (print), 3-540-47248-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072242/>.

Weissauer:1986:HGHI

- [Wei86j] Rainer Weissauer. Hyperebenen. (German) [Hyperplanes]. *Lecture Notes in Mathematics*, 1219:51–58, 1986. CODEN LNMAA2. ISBN 3-540-17181-9 (print), 3-540-47248-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072240/>.

Weissauer:1986:I

- [Wei86k] Rainer Weissauer. Introduction. *Lecture Notes in Mathematics*, 1219:1–6, 1986. CODEN LNMAA2. ISBN 3-540-17181-9 (print), 3-540-47248-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072236/>.

Weissauer:1986:PEG

- [Wei86l] Rainer Weissauer. Polstellen der Eisensteinreihen. (German) []. *Lecture Notes in Mathematics*, 1219:84–96, 1986. CODEN LNMAA2. ISBN 3-540-17181-9 (print), 3-540-47248-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072244/>.

Weissauer:1986:SLG

- [Wei86m] Rainer Weissauer. Stabile Liftungen. (German) []. *Lecture Notes in Mathematics*, 1219:123–130, 1986. CODEN LNMAA2. ISBN 3-540-17181-9 (print), 3-540-47248-7 (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072248/>.

Weissauer:1986:SMG

- [Wei86n] Rainer Weissauer. Stabile Modulformen. (German) [Robust modular forms]. *Lecture Notes in Mathematics*, 1219:7–22, 1986. CODEN LNMAA2. ISBN 3-540-17181-9 (print), 3-540-47248-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072237/>.

Weissauer:1986:SME

- [Wei86o] Rainer Weissauer. *Stabile Modulformen und Eisensteinreihen*, volume 1219 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1986. CODEN LNMAA2. ISBN 3-540-17181-9 (print), 3-540-47248-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). iv + 147 pp. LCCN QA3 .L28 no. 1219. URL <http://link.springer.com/book/10.1007/BFb0072235>; <http://www.springerlink.com/content/978-3-540-47248-3>.

Weidmann:1987:SES

- [Wei87a] Joachim Weidmann. L_2 -solutions and essential spectrum. *Lecture Notes in Mathematics*, 1258:162–171, 1987. CODEN LNMAA2. ISBN 3-540-17902-X (print), 3-540-47912-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077975/>.

Weidmann:1987:ASSa

- [Wei87b] Joachim Weidmann. Appendix to section 1: The separation of the Dirac operator. *Lecture Notes in Mathematics*, 1258:16–22, 1987. CODEN LNMAA2. ISBN 3-540-17902-X (print), 3-540-47912-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077963/>.

Weidmann:1987:ASO

- [Wei87c] Joachim Weidmann. Appendix to section 12: Operators with periodic coefficients on the half-line. *Lecture Notes in Mathematics*, 1258:191–193, 1987. CODEN LNMAA2. ISBN 3-540-17902-X (print), 3-540-47912-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077977/>.

Weidmann:1987:ASP

- [Wei87d] Joachim Weidmann. Appendix to section 2: Proof of the Lagrange identity for $n > 2$. *Lecture Notes in Mathematics*, 1258: 35–40, 1987. CODEN LNMAA2. ISBN 3-540-17902-X (print), 3-540-47912-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077965/>.

Weidmann:1987:ASSb

- [Wei87e] Joachim Weidmann. Appendix to section 6: Semi-boundedness of Sturm–Liouville type operators. *Lecture Notes in Mathematics*, 1258:104–109, 1987. CODEN LNMAA2. ISBN 3-540-17902-X (print), 3-540-47912-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077970/>.

Weidmann:1987:CSM

- [Wei87f] Joachim Weidmann. Computation of the spectral matrix ϱ . *Lecture Notes in Mathematics*, 1258:140–149, 1987. CODEN LNMAA2. ISBN 3-540-17902-X (print), 3-540-47912-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077973/>.

Weidmann:1987:DIS

- [Wei87g] Joachim Weidmann. Deficiency indices and self-adjoint extensions of T_0 . *Lecture Notes in Mathematics*, 1258:52–71, 1987. CODEN LNMAA2. ISBN 3-540-17902-X (print), 3-540-47912-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077967/>.

Weidmann:1987:DOP

- [Wei87h] Joachim Weidmann. Differential operators with periodic coefficients. *Lecture Notes in Mathematics*, 1258:172–190, 1987. CODEN LNMAA2. ISBN 3-540-17902-X (print), 3-540-47912-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077976/>.

Weidmann:1987:ESA

- [Wei87i] Joachim Weidmann. Essential spectrum and absolutely continuous spectrum of Sturm–Liouville operators. *Lecture Notes in Mathematics*, 1258:227–241, 1987. CODEN LNMAA2. ISBN 3-540-17902-X (print), 3-540-47912-0 (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077980/>.

Weidmann:1987:FSA

- [Wei87j] Joachim Weidmann. Formally self-adjoint differential expressions. *Lecture Notes in Mathematics*, 1258:7–15, 1987. CODEN LNMAA2. ISBN 3-540-17902-X (print), 3-540-47912-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077962/>.

Weidmann:1987:FPG

- [Wei87k] Joachim Weidmann. Fundamental properties and general assumptions. *Lecture Notes in Mathematics*, 1258:23–35, 1987. CODEN LNMAA2. ISBN 3-540-17902-X (print), 3-540-47912-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077964/>.

Weidmann:1987:I

- [Wei87l] Joachim Weidmann. Introduction. *Lecture Notes in Mathematics*, 1258:1–6, 1987. CODEN LNMAA2. ISBN 3-540-17902-X (print), 3-540-47912-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077961/>.

Weidmann:1987:LPL

- [Wei87m] Joachim Weidmann. Limit point-limit circle criteria. *Lecture Notes in Mathematics*, 1258:88–103, 1987. CODEN LNMAA2. ISBN 3-540-17902-X (print), 3-540-47912-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077969/>.

Weidmann:1987:MOM

- [Wei87n] Joachim Weidmann. The minimal operator and the maximal operator. *Lecture Notes in Mathematics*, 1258:41–51, 1987. CODEN LNMAA2. ISBN 3-540-17902-X (print), 3-540-47912-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077966/>.

Weidmann:1987:OTR

- [Wei87o] Joachim Weidmann. Oscillation theory for regular Sturm–Liouville operators. *Lecture Notes in Mathematics*, 1258:194–212, 1987. CODEN LNMAA2. ISBN 3-540-17902-X (print), 3-540-47912-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (elec-

tronic). URL <http://link.springer.com/chapter/10.1007/BFb0077978/>.

Weidmann:1987:OTS

- [Wei87p] Joachim Weidmann. Oscillation theory for singular Sturm–Liouville operators. *Lecture Notes in Mathematics*, 1258:213–226, 1987. CODEN LNMAA2. ISBN 3-540-17902-X (print), 3-540-47912-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077979/>.

Weidmann:1987:RSA

- [Wei87q] Joachim Weidmann. The resolvents of self-adjoint extensions of T_0 . *Lecture Notes in Mathematics*, 1258:110–125, 1987. CODEN LNMAA2. ISBN 3-540-17902-X (print), 3-540-47912-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077971/>.

Weidmann:1987:SID

- [Wei87r] Joachim Weidmann. The solutions of the inhomogeneous differential equation $(\tau - \lambda)u = f$; Weyl’s alternative. *Lecture Notes in Mathematics*, 1258:72–87, 1987. CODEN LNMAA2. ISBN 3-540-17902-X (print), 3-540-47912-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077968/>.

Weidmann:1987:SPS

- [Wei87s] Joachim Weidmann. Special properties of the spectral representation, spectral multiplicities. *Lecture Notes in Mathematics*, 1258:150–161, 1987. CODEN LNMAA2. ISBN 3-540-17902-X (print), 3-540-47912-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077974/>.

Weidmann:1987:SRS

- [Wei87t] Joachim Weidmann. The spectral representation of self-adjoint extensions of T_0 . *Lecture Notes in Mathematics*, 1258:126–139, 1987. CODEN LNMAA2. ISBN 3-540-17902-X (print), 3-540-47912-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077972/>.

Weidmann:1987:STO

- [Wei87u] Joachim Weidmann. *Spectral Theory of Ordinary Differential Operators*, volume 1258 of *Lecture Notes in Mathematics*. Springer-

Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1987. CODEN LNMAA2. ISBN 3-540-17902-X (print), 3-540-47912-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). vi + 303 pp. LCCN QA3 .L28 no. 1258. URL <http://link.springer.com/book/10.1007/BFb0077960>; <http://www.springerlink.com/content/978-3-540-47912-3>.

Weissauer:1987:DSM

- [Wei87v] R. Weissauer. Divisors of the Siegel modular variety. *Lecture Notes in Mathematics*, 1240:304–324, 1987. CODEN LNMAA2. ISBN 3-540-17669-1 (print), 3-540-47756-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072987/>.

Weissauer:1989:CSM

- [Wei89a] Rainer Weissauer. On the cohomology of Siegel modular threefolds. *Lecture Notes in Mathematics*, 1399:155–170, 1989. CODEN LNMAA2. ISBN 3-540-51729-4 (print), 3-540-46791-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0095975/>.

Weitzner:1989:RP

- [Wei89b] Harold Weitzner. Relativistic plasmas. *Lecture Notes in Mathematics*, 1385:211–237, 1989. CODEN LNMAA2. ISBN 3-540-51466-X (print), 3-540-48142-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084031/>.

Wente:1985:CSC

- [Wen85] Henry C. Wente. A counterexample in 3-space to a conjecture of H. Hopf. *Lecture Notes in Mathematics*, 1111:421–429, 1985. CODEN LNMAA2. ISBN 3-540-15195-8 (print), 3-540-39298-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084601/>.

Wermer:1987:BPH

- [Wer87a] John Wermer. Balayage and polynomial hulls. *Lecture Notes in Mathematics*, 1276:303–312, 1987. CODEN LNMAA2. ISBN 3-540-18357-4 (print), 3-540-47904-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078966/>.

Werner:1987:CPM

- [Wer87b] Helmut Werner. On the continuity properties of the multivariate Padé-operator $T_{m,n}$. *Lecture Notes in Mathematics*, 1237:125–133, 1987. CODEN LNMAA2. ISBN 3-540-17212-2 (print), 3-540-47412-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072459/>.

Whiteman:1986:STT

- [Whi86] J. R. Whiteman. Singularities in two- and three-dimensional elliptic problems and finite element methods for their treatment. *Lecture Notes in Mathematics*, 1192:345–352, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print), 3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076092/>.

Whitehead:1989:WEH

- [Whi89] George W. Whitehead. The work of Edgar H. Brown, Jr. in topology. *Lecture Notes in Mathematics*, 1370:10–14, 1989. CODEN LNMAA2. ISBN 3-540-51118-0 (print), 3-540-46160-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085214/>.

Widom:1985:HC

- [Wid85a] Harold Widom. $f^{(k)}(\sigma; \tau_i)$ in the Hermitian case. *Lecture Notes in Mathematics*, 1152:42–44, 1985. CODEN LNMAA2. ISBN 3-540-15701-8 (print), 3-540-39641-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075037/>.

Widom:1985:AEP

- [Wid85b] Harold Widom. *Asymptotic Expansions for Pseudodifferential Operators on Bounded Domains*, volume 1152 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15701-8 (print), 3-540-39641-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). iv + 150 pp. LCCN QA3.L28 no. 1152. URL <http://link.springer.com/book/10.1007/BFb0075033>; <http://www.springerlink.com/content/978-3-540-39641-3>.

Widom:1985:DS

- [Wid85c] Harold Widom. Derivation of the series. *Lecture Notes in Mathematics*, 1152:16–35, 1985. CODEN LNMAA2. ISBN 3-540-15701-8 (print), 3-540-39641-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075035/>.

Widom:1985:I

- [Wid85d] Harold Widom. Introduction. *Lecture Notes in Mathematics*, 1152:1–15, 1985. CODEN LNMAA2. ISBN 3-540-15701-8 (print), 3-540-39641-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075034/>.

Widom:1985:PHE

- [Wid85e] Harold Widom. Proof of the heat expansion. *Lecture Notes in Mathematics*, 1152:102–147, 1985. CODEN LNMAA2. ISBN 3-540-15701-8 (print), 3-540-39641-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075041/>.

Widom:1985:PSEa

- [Wid85f] Harold Widom. Proof of the Szegő expansion in the nonself-adjoint case. *Lecture Notes in Mathematics*, 1152:65–94, 1985. CODEN LNMAA2. ISBN 3-540-15701-8 (print), 3-540-39641-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075039/>.

Widom:1985:PSEb

- [Wid85g] Harold Widom. Proof of the Szegő expansion in the self-adjoint case. *Lecture Notes in Mathematics*, 1152:95–101, 1985. CODEN LNMAA2. ISBN 3-540-15701-8 (print), 3-540-39641-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075040/>.

Widom:1985:SHE

- [Wid85h] Harold Widom. The Szegő and heat expansions. *Lecture Notes in Mathematics*, 1152:36–41, 1985. CODEN LNMAA2. ISBN 3-540-15701-8 (print), 3-540-39641-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075036/>.

Widom:1985:TF

- [Wid85i] Harold Widom. Trace formulas. *Lecture Notes in Mathematics*, 1152:45–64, 1985. CODEN LNMAA2. ISBN 3-540-15701-8 (print), 3-540-39641-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075038/>.

Wiedemann:1986:GOC

- [Wie86] Alfred Wiedemann. Gorenstein orders of class A_n . *Lecture Notes in Mathematics*, 1178:309–315, 1986. CODEN LNMAA2. ISBN 3-540-16433-2 (print), 3-540-39777-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075300/>.

Wiegerinck:1987:CFP

- [Wie87] J. Wiegerinck. Convergence of formal power series and analytic extension. *Lecture Notes in Mathematics*, 1276:313–320, 1987. CODEN LNMAA2. ISBN 3-540-18357-4 (print), 3-540-47904-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078967/>.

Wihstutz:1985:AEL

- [Wih85] Volker Wihstutz. Analytic expansion of Lyapunov exponents associated to the Schrödinger operator. *Lecture Notes in Mathematics*, 1109:177–188, 1985. CODEN LNMAA2. ISBN 3-540-13914-1 (print), 3-540-39138-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0101544/>.

Wihstutz:1986:PDL

- [Wih86] Volker Wihstutz. Parameter dependence of the Lyapunov exponent for linear stochastic systems. A survey. *Lecture Notes in Mathematics*, 1186:200–215, 1986. CODEN LNMAA2. ISBN 3-540-16458-8 (print), 3-540-39795-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076840/>.

Willems:1986:GCP

- [Wil86a] Wolfgang Willems. The generalized p' -core and the principal p -block. *Lecture Notes in Mathematics*, 1178:177–193, 1986. CODEN LNMAA2. ISBN 3-540-16433-2 (print), 3-540-39777-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075296/>.

Williams:1986:SCP

- [Wil86b] William O. Williams. Structure of continuum physics. *Lecture Notes in Mathematics*, 1174:30–37, 1986. CODEN LNMAA2. ISBN 3-540-16096-5 (print), 3-540-39760-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076931/>.

Wilson:1987:ECS

- [Wil87] John S. Wilson. An embedding condition for subgroups of infinite groups. *Lecture Notes in Mathematics*, 1281:176–179, 1987. CODEN LNMAA2. ISBN 3-540-18399-X (print), 3-540-47948-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078702/>.

Wildenhain:1988:PTM

- [Wil88] G. Wildenhain. Potential theory methods for higher order elliptic equations. *Lecture Notes in Mathematics*, 1344:181–195, 1988. CODEN LNMAA2. ISBN 3-540-50210-6 (print), 3-540-45952-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0103351/>.

Wilson:1989:DFA

- [Wil89] Robert Lee Wilson. Differential forms and the algebra $W(m:n)$. *Lecture Notes in Mathematics*, 1373:29–41, 1989. CODEN LNMAA2. ISBN 3-540-51147-4 (print), 3-540-46170-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0088885/>.

Winkler:1985:BCN

- [Win85a] Gerhard Winkler. Basic concepts from noncompact Choquet theory. *Lecture Notes in Mathematics*, 1145:13–53, 1985. CODEN LNMAA2. ISBN 3-540-15683-6 (print), 3-540-39622-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075054/>.

Winkler:1985:COS

- [Win85b] Gerhard Winkler. *Choquet Order and Simplices: with Applications in Probabilistic Models*, volume 1145 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15683-6 (print), 3-540-39622-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). vi + 143 pp. LCCN QA3

.L28 no. 1145. URL <http://link.springer.com/book/10.1007/BFb0075051>; <http://www.springerlink.com/content/978-3-540-39622-2>.

Winkler:1985:FAC

- [Win85c] Gerhard Winkler. Four aspects of Choquet order. *Lecture Notes in Mathematics*, 1145:54–74, 1985. CODEN LNMAA2. ISBN 3-540-15683-6 (print), 3-540-39622-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075055/>.

Winkler:1985:I

- [Win85d] Gerhard Winkler. Introduction. *Lecture Notes in Mathematics*, 1145:1–5, 1985. CODEN LNMAA2. ISBN 3-540-15683-6 (print), 3-540-39622-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075052/>.

Winkler:1985:ILSa

- [Win85e] Gerhard Winkler. Inverse limits of simplices. *Lecture Notes in Mathematics*, 1145:75–93, 1985. CODEN LNMAA2. ISBN 3-540-15683-6 (print), 3-540-39622-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075056/>.

Winkler:1985:ILSb

- [Win85f] Gerhard Winkler. Inverse limits of spaces of measures. *Lecture Notes in Mathematics*, 1145:94–122, 1985. CODEN LNMAA2. ISBN 3-540-15683-6 (print), 3-540-39622-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075057/>.

Winkler:1985:NDC

- [Win85g] Gerhard Winkler. Notations, definitions and conventions. *Lecture Notes in Mathematics*, 1145:6–12, 1985. CODEN LNMAA2. ISBN 3-540-15683-6 (print), 3-540-39622-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075053/>.

Winter:1989:TNS

- [Win89] Pawel Winter. Topological network synthesis. *Lecture Notes in Mathematics*, 1403:282–303, 1989. CODEN LNMAA2. ISBN 3-540-51797-9 (print), 3-540-46810-2 (e-book). ISSN 0075-8434

(print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083472/>.

Witsch:1988:MVF

- [Wit88a] K. J. Witsch. On a modified version of the free geodetic boundary-value problem. *Lecture Notes in Mathematics*, 1357:402–423, 1988. CODEN LNMAA2. ISBN 3-540-50508-3 (print), 3-540-46024-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082877/>.

Witten:1988:IDO

- [Wit88b] Edward Witten. The index of the Dirac operator in loop space. *Lecture Notes in Mathematics*, 1326:161–181, 1988. CODEN LNMAA2. ISBN 3-540-19490-8 (print), 3-540-39300-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078045/>.

Watson:1986:LME

- [WKK86] L. T. Watson, M. P. Kamat, and H. Y. Kwok. Location of multiple equilibrium configurations near limit points by a double dogleg strategy and tunnelling. *Lecture Notes in Mathematics*, 1230:26–45, 1986. CODEN LNMAA2. ISBN 3-540-17200-9 (print), 3-540-47379-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072669/>.

Wodzicki:1987:NRC

- [Wod87] Mariusz Wodzicki. Noncommutative residue. Chapter I. Fundamentals. *Lecture Notes in Mathematics*, 1289:320–399, 1987. CODEN LNMAA2. ISBN 3-540-18571-2 (print), 3-540-48016-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078372/>.

Woess:1986:DMB

- [Woe86] Wolfgang Woess. A description of the Martin boundary for nearest neighbour random walks on free products. *Lecture Notes in Mathematics*, 1210:203–215, 1986. CODEN LNMAA2. ISBN 3-540-16806-0 (print), 3-540-44852-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077185/>.

Wojtkowiak:1987:M

- [Woj87] Zdzisław Wojtkowiak. On maps from $h\mathcal{O}\text{-}\lim F$ to Z . *Lecture Notes in Mathematics*, 1298:227–236, 1987. CODEN LNMAA2. ISBN 3-540-18729-4 (print), 3-540-48122-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083013/>.

Wong:1987:CMA

- [Won87] Pit-Mann Wong. Complex Monge–Ampère equation and related problems. *Lecture Notes in Mathematics*, 1277:303–330, 1987. CODEN LNMAA2. ISBN 3-540-18355-8 (print), 3-540-47893-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078253/>.

Wood:1985:MRH

- [Woo85] R. M. W. Wood. Modular representations of $\text{GL}(n, F_P)$ and homotopy theory. *Lecture Notes in Mathematics*, 1172:188–203, 1985. CODEN LNMAA2. ISBN 3-540-16061-2 (print), 3-540-39745-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074432/>.

Wood:1987:TCH

- [Woo87a] J. C. Wood. Twistor constructions for harmonic maps. *Lecture Notes in Mathematics*, 1255:130–159, 1987. CODEN LNMAA2. ISBN 3-540-17849-X (print), 3-540-47883-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077687/>.

Wood:1987:SAS

- [Woo87b] R. M. W. Wood. Splitting $\Sigma(\mathbb{C}P^\infty \times \dots \times \mathbb{C}P^\infty)$ and the action of Steenrod squares Sq^i on the polynomial ring $F_2[x_1, \dots, x_n]$. *Lecture Notes in Mathematics*, 1298:237–255, 1987. CODEN LNMAA2. ISBN 3-540-18729-4 (print), 3-540-48122-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083014/>.

Wright:1989:CRU

- [Wri89a] Steve Wright. Connes’ reduction of the uniqueness proof to the bicentralizer problem. *Lecture Notes in Mathematics*, 1413:9–81, 1989. CODEN LNMAA2. ISBN 3-540-52130-5 (print), 3-540-46903-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0090180/>.

Wright:1989:HSB

- [Wri89b] Steve Wright. Haagerup's solution of the bicentralizer problem. *Lecture Notes in Mathematics*, 1413:82–105, 1989. CODEN LNMAA2. ISBN 3-540-52130-5 (print), 3-540-46903-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0090181/>.

Wright:1989:I

- [Wri89c] Steve Wright. Introduction. *Lecture Notes in Mathematics*, 1413:1–8, 1989. CODEN LNMAA2. ISBN 3-540-52130-5 (print), 3-540-46903-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0090179/>.

Wronicz:1987:MIG

- [Wro87] Z. Wronicz. The Marchaud inequality for generalized moduli of smoothness. *Lecture Notes in Mathematics*, 1237:134–144, 1987. CODEN LNMAA2. ISBN 3-540-17212-2 (print), 3-540-47412-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072460/>.

Wagstaff:1987:MFL

- [WS87] Samuel S. Wagstaff, Jr. and J. W. Smith. Methods of factoring large integers. *Lecture Notes in Mathematics*, 1240:281–303, 1987. CODEN LNMAA2. ISBN 3-540-17669-1 (print), 3-540-47756-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072986/>.

Wschebor:1985:ADT

- [Wsc85a] Mario Wschebor. Approximation du temps local du processus de Wiener à d -paramètres ($d \geq 1$). (French) []. *Lecture Notes in Mathematics*, 1147:88–106, 1985. CODEN LNMAA2. ISBN 3-540-15688-7 (print), 3-540-39633-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075077/>.

Wschebor:1985:EEL

- [Wsc85b] Mario Wschebor. Existence d'extrema locaux. (French) []. *Lecture Notes in Mathematics*, 1147:11–27, 1985. CODEN LNMAA2. ISBN 3-540-15688-7 (print), 3-540-39633-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075075/>.

Wschebor:1985:FRF

- [Wsc85c] Mario Wschebor. Formules de Rice. (French) []. *Lecture Notes in Mathematics*, 1147:28–87, 1985. CODEN LNMAA2. ISBN 3-540-15688-7 (print), 3-540-39633-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075076/>.

Wschebor:1985:PEB

- [Wsc85d] Mario Wschebor. Périmètres d'ensembles boréliens dans \mathbf{R}^d . (French) []. *Lecture Notes in Mathematics*, 1147:1–10, 1985. CODEN LNMAA2. ISBN 3-540-15688-7 (print), 3-540-39633-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075074/>.

Wschebor:1985:SAM

- [Wsc85e] Mario Wschebor. *Surfaces Aléatoires: Mesure Géométrique des Ensembles de Niveau*, volume 1147 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1985. CODEN LNMAA2. ISBN 3-540-15688-7 (print), 3-540-39633-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). xiii + 111 pp. LCCN QA3.L28 no. 1147. URL [http://link.springer.com/book/10.1007/BFb0075073](http://link.springer.com/book/10.1007/BFb0075073;); <http://www.springerlink.com/content/978-3-540-39633-8>.

Williams:1988:SMP

- [WST88] David Williams, Nick Steele, and Aubrey Truman. Stochastic mechanics for a point source. *Lecture Notes in Mathematics*, 1325:181–187, 1988. CODEN LNMAA2. ISBN 3-540-50015-4 (print), 3-540-45887-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077927/>.

Wen-tsun:1987:MH

- [Wt87a] Wu Wen-tsün. I^* -measure and homotopy. *Lecture Notes in Mathematics*, 1264:93–115, 1987. CODEN LNMAA2. ISBN 3-540-13611-8 (print), 3-540-39025-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082001/>.

Wen-tsun:1987:RST

- [Wt87b] Wu Wen-tsün. The de Rham–Sullivan theorem and I^* -measure. *Lecture Notes in Mathematics*, 1264:58–92, 1987. CODEN LN-

MAA2. ISBN 3-540-13611-8 (print), 3-540-39025-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082000/>.

Wen-tsun:1987:DMM

- [Wt87c] Wu Wen-tsün. Dga and minimal model. *Lecture Notes in Mathematics*, 1264:20–57, 1987. CODEN LNMAA2. ISBN 3-540-13611-8 (print), 3-540-39025-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081999/>.

Wen-tsun:1987:ECA

- [Wt87d] Wu Wen-tsün. Effective computation and axiomatic system of I^* -measure. *Lecture Notes in Mathematics*, 1264:143–177, 1987. CODEN LNMAA2. ISBN 3-540-13611-8 (print), 3-540-39025-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082003/>.

Wen-tsun:1987:FCM

- [Wt87e] Wu Wen-tsün. Fundamental concepts. Measure and calculability. *Lecture Notes in Mathematics*, 1264:1–19, 1987. CODEN LNMAA2. ISBN 3-540-13611-8 (print), 3-540-39025-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081998/>.

Wen-tsun:1987:MCF

- [Wt87f] Wu Wen-tsün. I^* -measures connected with fibrations. *Lecture Notes in Mathematics*, 1264:178–213, 1987. CODEN LNMAA2. ISBN 3-540-13611-8 (print), 3-540-39025-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082004/>.

Wu:1986:EAV

- [Wu86] Xiaolong Wu. On the extensions of Abelian varieties by affine group schemes. *Lecture Notes in Mathematics*, 1185:361–387, 1986. CODEN LNMAA2. ISBN 3-540-16456-1 (print), 3-540-39793-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076184/>.

Wu:1987:TCH

- [Wu87a] Chuanxi Wu. On two classes of hypersurfaces in a space of constant curvature. *Lecture Notes in Mathematics*, 1255:160–

172, 1987. CODEN LNMAA2. ISBN 3-540-17849-X (print), 3-540-47883-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077688/>.

Wu:1987:LT

[Wu87b] H. Wu. Liouville theorems. *Lecture Notes in Mathematics*, 1277:331–349, 1987. CODEN LNMAA2. ISBN 3-540-18355-8 (print), 3-540-47893-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078254/>.

Wu:1987:COM

[Wu87c] Liming Wu. Construction de l'opérateur de Malliavin sur l'espace de Poisson. (French) []. *Lecture Notes in Mathematics*, 1247:100–113, 1987. CODEN LNMAA2. ISBN 3-540-17768-X (print), 3-540-47814-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077629/>.

Wu:1987:ISE

[Wu87d] Liming Wu. Inégalité de Sobolev sur l'espace de Poisson. (French) []. *Lecture Notes in Mathematics*, 1247:114–136, 1987. CODEN LNMAA2. ISBN 3-540-17768-X (print), 3-540-47814-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077630/>.

Wu:1988:CDB

[Wu88a] Fontong Wu. A class diffractive boundary value problem with multiple characteristic. *Lecture Notes in Mathematics*, 1306:224–239, 1988. CODEN LNMAA2. ISBN 3-540-19097-X (print), 3-540-39107-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082936/>.

Wu:1988:EUR

[Wu88b] Lancheng Wu. Existence, uniqueness and regularity of the minimizer of a certain functional. *Lecture Notes in Mathematics*, 1306:240–254, 1988. CODEN LNMAA2. ISBN 3-540-19097-X (print), 3-540-39107-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082937/>.

Wunram:1987:RMC

- [Wun87] J. Wunram. Reflexive modules on cyclic quotient surface singularities. *Lecture Notes in Mathematics*, 1273:221–231, 1987. CODEN LNMAA2. ISBN 3-540-18263-2 (print), 3-540-47851-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078846/>.

Wustholz:1987:NABa

- [Wüs87a] G. Wüstholtz. A new approach to Baker's theorem on linear forms in logarithms I. *Lecture Notes in Mathematics*, 1290:189–202, 1987. CODEN LNMAA2. ISBN 3-540-18597-6 (print), 3-540-48023-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078709/>.

Wustholz:1987:NABb

- [Wüs87b] G. Wüstholtz. A new approach to Baker's theorem on linear forms in logarithms II. *Lecture Notes in Mathematics*, 1290:203–211, 1987. CODEN LNMAA2. ISBN 3-540-18597-6 (print), 3-540-48023-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078710/>.

Xia:1987:RFG

- [Xia87] C. Y. Xia. Remarks on the fundamental group of positively curved manifolds. *Lecture Notes in Mathematics*, 1255:190–197, 1987. CODEN LNMAA2. ISBN 3-540-17849-X (print), 3-540-47883-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077690/>.

Xiao:1989:CMS

- [Xia89] Liang Xiao. On complete minimal surfaces with parallel and flat ends. *Lecture Notes in Mathematics*, 1369:289–294, 1989. CODEN LNMAA2. ISBN 3-540-51037-0 (print), 3-540-46137-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087542/>.

Xin:1987:LTT

- [Xin87] Y. L. Xin. Liouville type theorems and regularity of harmonic maps. *Lecture Notes in Mathematics*, 1255:198–208, 1987. CODEN LNMAA2. ISBN 3-540-17849-X (print), 3-540-47883-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077691/>.

Xin:1989:RHM

- [Xin89] Yuan-Long Xin. Regularity of harmonic maps into certain homogeneous spaces. *Lecture Notes in Mathematics*, 1369:295–305, 1989. CODEN LNMAA2. ISBN 3-540-51037-0 (print), 3-540-46137-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087543/>.

Xu:1987:CS

- [Xu87a] Quanhua Xu. Cotype of the spaces $(A_0, A_1)_{\theta_1}$. *Lecture Notes in Mathematics*, 1267:210–212, 1987. CODEN LNMAA2. ISBN 3-540-18103-2 (print), 3-540-47771-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078147/>.

Xu:1987:ASY

- [Xu87b] Youyu Xu. On absence of static Yang–Mills fields with variant mass. *Lecture Notes in Mathematics*, 1255:209–220, 1987. CODEN LNMAA2. ISBN 3-540-17849-X (print), 3-540-47883-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077692/>.

Yagasaki:1987:FST

- [Yag87] Tatsuhiko Yagasaki. Fiber shape theory, shape fibrations and movability of maps. *Lecture Notes in Mathematics*, 1283:240–252, 1987. CODEN LNMAA2. ISBN 3-540-18443-0 (print), 3-540-47975-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081432/>.

Yajima:1985:BM

- [Yaj85a] Kenji Yajima. Back matter. *Lecture Notes in Mathematics*, 1159:265–281, 1985. CODEN LNMAA2. ISBN 3-540-16035-3 (print), 3-540-39706-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-540-39706-9/1.pdf>.

Yajima:1985:QCL

- [Yaj85b] Kenji Yajima. The quasi-classical limit of scattering amplitude-finite range potentials. *Lecture Notes in Mathematics*, 1159:242–263, 1985. CODEN LNMAA2. ISBN 3-540-16035-3 (print), 3-540-39706-X (e-book). ISSN 0075-8434 (print), 1617-9692 (elec-

tronic). URL <http://link.springer.com/chapter/10.1007/BFb0080336/>.

Yamakami:1989:CCL

- [Yam89] Tomoyuki Yamakami. Computational complexity of languages counting random oracles. *Lecture Notes in Mathematics*, 1388: 189–202, 1989. CODEN LNMAA2. ISBN 3-540-51527-5 (print), 3-540-48220-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083671/>.

Yan:1987:DDS

- [Yan87] J. A. Yan. Développement des distributions suivant les chaos de Wiener et applications à l'analyse stochastique. (French) []. *Lecture Notes in Mathematics*, 1247:27–32, 1987. CODEN LNMAA2. ISBN 3-540-17768-X (print), 3-540-47814-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077626/>.

Yan:1988:EPQa

- [Yan88a] Jia-An Yan. Éléments de probabilités quantiques. IX. Calculs antisymétriques et «supersymétriques» en probabilités. (French) []. *Lecture Notes in Mathematics*, 1321:101–123, 1988. CODEN LNMAA2. ISBN 3-540-19351-0 (print), 3-540-39228-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084125/>.

Yan:1988:EPQb

- [Yan88b] Jia-An Yan. Éléments de probabilités quantiques. X Calculs avec des noyaux discrets. (French) []. *Lecture Notes in Mathematics*, 1321:124–128, 1988. CODEN LNMAA2. ISBN 3-540-19351-0 (print), 3-540-39228-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084126/>.

Yan:1988:FDT

- [Yan88c] Jia-An Yan. A formula for densities of transition functions. *Lecture Notes in Mathematics*, 1321:92–100, 1988. CODEN LNMAA2. ISBN 3-540-19351-0 (print), 3-540-39228-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084124/>.

Yan:1988:PTS

- [Yan88d] Jia-An Yan. A perturbation theorem for semigroups of linear operators. *Lecture Notes in Mathematics*, 1321:89–91, 1988. CODEN LNMAA2. ISBN 3-540-19351-0 (print), 3-540-39228-9 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084123/>.

Yan:1988:ERS

- [Yan88e] Ziqian Yan. Everywhere regularity for solutions to quasilinear elliptic systems of triangular form. *Lecture Notes in Mathematics*, 1306:255–261, 1988. CODEN LNMAA2. ISBN 3-540-19097-X (print), 3-540-39107-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082938/>.

Yang:1989:IDS

- [Yan89] Wenmao Yang. On infinitesimal deformations of surfaces in E^3 . *Lecture Notes in Mathematics*, 1369:306–321, 1989. CODEN LNMAA2. ISBN 3-540-51037-0 (print), 3-540-46137-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0087544/>.

Yasue:1988:CSM

- [Yas88] Kunio Yasue. Computer stochastic mechanics. *Lecture Notes in Mathematics*, 1325:188–204, 1988. CODEN LNMAA2. ISBN 3-540-50015-4 (print), 3-540-45887-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077928/>.

Yasugi:1989:ICI

- [Yas89] Mariko Yasugi. Infinitesimal calculus interpreted in infinitary logic. *Lecture Notes in Mathematics*, 1388:203–220, 1989. CODEN LNMAA2. ISBN 3-540-51527-5 (print), 3-540-48220-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083672/>.

Yger:1987:FDP

- [Yge87] Alain Yger. Formules de division et prolongement meromorphe. (French) []. *Lecture Notes in Mathematics*, 1295:226–283, 1987. CODEN LNMAA2. ISBN 3-540-18691-3 (print), 3-540-48084-6 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081984/>.

Yu:1989:PSQ

- [YM89] Qingyu Yu and Tian Ma. The positive solutions of quasilinear elliptic boundary value problem. *Lecture Notes in Mathematics*, 1411:182–188, 1989. CODEN LNMAA2. ISBN 3-540-51932-7 (print), 3-540-46862-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086453/>.

Yoeurp:1985:TGG

- [Yoe85] Chantha Yoeurp. Théorème de Girsanov généralisé et grossissement d'une filtration. (French) []. *Lecture Notes in Mathematics*, 1118:172–196, 1985. CODEN LNMAA2. ISBN 3-540-15210-5 (print), 3-540-39339-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075774/>.

Yomdin:1988:ACF

- [Yom88] Y. Yomdin. Approximational complexity of functions. *Lecture Notes in Mathematics*, 1317:21–43, 1988. CODEN LNMAA2. ISBN 3-540-19353-7 (print), 3-540-39235-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0081734/>.

Yor:1985:GFA

- [Yor85a] M. Yor. Grossissement de filtrations et absolue continuité de noyaux. (French) []. *Lecture Notes in Mathematics*, 1118:6–14, 1985. CODEN LNMAA2. ISBN 3-540-15210-5 (print), 3-540-39339-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075766/>; <http://link.springer.com/chapter/10.1007/BFb0075767/>.

Yor:1985:IMCa

- [Yor85b] M. Yor. Inégalités de martingales continues arrêtées à un temps quelconque. (French) []. *Lecture Notes in Mathematics*, 1118:110–146, 1985. CODEN LNMAA2. ISBN 3-540-15210-5 (print), 3-540-39339-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075772/>.

Yor:1985:EPG

- [Yor85c] Marc Yor. Entropie d'une partition, et grossissement initial d'une filtration. (French) []. *Lecture Notes in Mathematics*, 1118:45–

58, 1985. CODEN LNMAA2. ISBN 3-540-15210-5 (print), 3-540-39339-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075770/>.

Yor:1985:IMCb

- [Yor85d] Marc Yor. Inégalités de martingales continues arrêtées à un temps quelconque: Le rôle de certains espaces BMO. (French) []. *Lecture Notes in Mathematics*, 1118:147–171, 1985. CODEN LNMAA2. ISBN 3-540-15210-5 (print), 3-540-39339-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075773/>.

Yi-ping:1989:EEP

- [Yp89] Zhang Yi-ping. Ensembles équivalents à un point frontière dans un domaine lipschitzien. (French) []. *Lecture Notes in Mathematics*, 1393:256–265, 1989. CODEN LNMAA2. ISBN 3-540-51592-5 (print), 3-540-46675-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085785/>.

Yui:1985:BGP

- [Yui85] Noriko Yui. The Brauer group of the product of two curves over a finite field. *Lecture Notes in Mathematics*, 1135:254–283, 1985. CODEN LNMAA2. ISBN 3-540-15649-6 (print), 3-540-39535-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074609/>.

Yui:1988:JQL

- [Yui88] Noriko Yui. Jacobi quartics, Legendre polynomials and formal groups. *Lecture Notes in Mathematics*, 1326:182–215, 1988. CODEN LNMAA2. ISBN 3-540-19490-8 (print), 3-540-39300-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078046/>.

Yukich:1986:MEC

- [Yuk86] J. E. Yukich. Metric entropy and the central limit theorem in Banach spaces. *Lecture Notes in Mathematics*, 1193:113–128, 1986. CODEN LNMAA2. ISBN 3-540-16487-1 (print), 3-540-39826-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077103/>.

Zabczyk:1987:EPI

- [Zab87] J. Zabczyk. Exit problem for infinite dimensional systems. *Lecture Notes in Mathematics*, 1236:239–257, 1987. CODEN LNMAA2. ISBN 3-540-17211-4 (print), 3-540-47408-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0072894/>.

Zagier:1985:MPM

- [Zag85] D. Zagier. Modular points, modular curves, modular surfaces and modular forms. *Lecture Notes in Mathematics*, 1111:225–248, 1985. CODEN LNMAA2. ISBN 3-540-15195-8 (print), 3-540-39298-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0084592/>.

Zagier:1988:NLS

- [Zag88] Don Zagier. Note on the Landweber–Stong elliptic genus. *Lecture Notes in Mathematics*, 1326:216–224, 1988. CODEN LNMAA2. ISBN 3-540-19490-8 (print), 3-540-39300-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078047/>.

Zahid:1989:CNS

- [Zah89] M. Zahid. Comparaison de noyaux de Schrödinger. (French) [Comparison of Schrödinger nuclei]. *Lecture Notes in Mathematics*, 1393:243–255, 1989. CODEN LNMAA2. ISBN 3-540-51592-5 (print), 3-540-46675-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0085784/>.

Zalesskii:1988:EMC

- [Zal88] A. E. Zalesskiĭ. Eigenvalues of matrices of complex representations of finite groups of Lie type. *Lecture Notes in Mathematics*, 1352:206–218, 1988. CODEN LNMAA2. ISBN 3-540-50371-4 (print), 3-540-45994-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082027/>.

Zambrini:1988:NPA

- [Zam88a] J.-C. Zambrini. New probabilistic approach to the classical heat equation. *Lecture Notes in Mathematics*, 1325:205–220, 1988. CODEN LNMAA2. ISBN 3-540-50015-4 (print), 3-540-45887-5

(e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077929/>.

Zamir:1988:TNG

- [Zam88b] Shmuel Zamir. Topics in noncooperative game theory. *Lecture Notes in Mathematics*, 1330:72–128, 1988. CODEN LNMAA2. ISBN 3-540-50003-0 (print), 3-540-45883-2 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078159/>.

Zappa:1988:NFC

- [Zap88] Guido Zappa. Normal fitting classes of groups and generalizations. *Lecture Notes in Mathematics*, 1352:219–226, 1988. CODEN LNMAA2. ISBN 3-540-50371-4 (print), 3-540-45994-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082028/>.

Zarati:1985:QPD

- [Zar85] S. Zarati. Quelques propriétés du foncteur $\text{Hom}_{u_p}(\cdot, H^*V)$. (French) []. *Lecture Notes in Mathematics*, 1172:204–209, 1985. CODEN LNMAA2. ISBN 3-540-16061-2 (print), 3-540-39745-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0074433/>.

Zayed:1987:UMS

- [Zay87] Maher Zayed. Ultraproduits et modules sans facteurs directs de type fini. (French) []. *Lecture Notes in Mathematics*, 1296:312–324, 1987. CODEN LNMAA2. ISBN 3-540-18690-5 (print), 3-540-48081-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0078534/>.

Zelmanov:1988:NNA

- [Zel88] E. I. Zel'manov. On the nilpotency of nil algebras. *Lecture Notes in Mathematics*, 1352:227–240, 1988. CODEN LNMAA2. ISBN 3-540-50371-4 (print), 3-540-45994-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082029/>.

Zenisek:1986:SNC

- [Žen86] A. Ženíšek. Some new convergence results in finite element theories for elliptic problems. *Lecture Notes in Mathematics*, 1192:353–358, 1986. CODEN LNMAA2. ISBN 3-540-16469-3 (print),

3-540-39807-4 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076093/>.

Zeuner:1986:HH

- [Zeu86] Hansmartin Zeuner. On hyperbolic hypergroups. *Lecture Notes in Mathematics*, 1210:216–224, 1986. CODEN LNMAA2. ISBN 3-540-16806-0 (print), 3-540-44852-7 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077186/>.

Zhou:1988:IVP

- [ZG88] Yulin Zhou and Boling Guo. Initial value problems for a nonlinear singular integral-differential equation of deep water. *Lecture Notes in Mathematics*, 1306:278–290, 1988. CODEN LNMAA2. ISBN 3-540-19097-X (print), 3-540-39107-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082940/>.

Zhang:1988:DPC

- [Zha88] Ke-Wei Zhang. On the Dirichlet problem for a class of quasilinear elliptic systems of partial differential equations in divergence form. *Lecture Notes in Mathematics*, 1306:262–277, 1988. CODEN LNMAA2. ISBN 3-540-19097-X (print), 3-540-39107-X (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082939/>.

Zhao:1989:BM

- [Zha89a] Xuezhi Zhao. Back matter. *Lecture Notes in Mathematics*, 1411:??, 1989. CODEN LNMAA2. ISBN 3-540-51932-7 (print), 3-540-46862-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-540-46862-2/1.pdf>.

Zhao:1989:RNN

- [Zha89b] Xuezhi Zhao. A relative Nielsen number for the complement. *Lecture Notes in Mathematics*, 1411:189–199, 1989. CODEN LNMAA2. ISBN 3-540-51932-7 (print), 3-540-46862-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0086454/>.

Zheng:1987:HKF

- [Zhe87] Yong Fan Zheng. Harmonic and Killing forms on complete Riemannian manifolds. *Lecture Notes in Mathematics*, 1255:228–243, 1987. CODEN LNMAA2. ISBN 3-540-17849-X (print), 3-540-47883-3 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0077694/>.

Zinsmeister:1989:DAF

- [Zin89] M. Zinsmeister. Les dérivations analytiques. (French) []. *Lecture Notes in Mathematics*, 1372:21–46, 1989. CODEN LNMAA2. ISBN 3-540-51191-1 (print), 3-540-46176-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0083957/>.

Zheng:1986:CCD

- [ZM86] W. A. Zheng and P.-A. Meyer. Sur la construction de certaines diffusions. (French) []. *Lecture Notes in Mathematics*, 1204:334–337, 1986. CODEN LNMAA2. ISBN 3-540-16779-X (print), 3-540-39860-0 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0075724/>.

Zolezzi:1986:SAO

- [Zol86] T. Zolezzi. Stability analysis in optimization. *Lecture Notes in Mathematics*, 1190:397–419, 1986. CODEN LNMAA2. ISBN 3-540-16476-6 (print), 3-540-39817-1 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0076716/>.

Zubr:1988:CSC

- [Žub88] A. V. Žubr. Classification of simply-connected topological 6-manifolds. *Lecture Notes in Mathematics*, 1346:325–339, 1988. CODEN LNMAA2. ISBN 3-540-50237-8 (print), 3-540-45958-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0082781/>.

Zvyagin:1988:NSC

- [Zvy88] V. G. Zvyagin. On the number of solutions for certain boundary-value problems. *Lecture Notes in Mathematics*, 1334:157–172, 1988. CODEN LNMAA2. ISBN 3-540-50019-7 (print), 3-540-45894-8 (e-book). ISSN 0075-8434 (print), 1617-9692 (elec-

tronic). URL <http://link.springer.com/chapter/10.1007/BFb0080427/>.

Zwicker:1989:BSP

- [Zwi89] William S. Zwicker. A beginning for structural properties of ideals on $P_\kappa\lambda$. *Lecture Notes in Mathematics*, 1401:201–217, 1989. CODEN LNMAA2. ISBN 3-540-51730-8 (print), 3-540-46795-5 (e-book). ISSN 0075-8434 (print), 1617-9692 (electronic). URL <http://link.springer.com/chapter/10.1007/BFb0097341/>.