A Complete Bibliography of Publications in *Mathematics of Computation*, 1980–1989

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org, beebe@computer.org (Internet)
WWW URL: https://www.math.utah.edu/~beebe/

02 January 2024
Version 2.30

Title word cross-reference

#10999 [Bla82]. **#1291** [Pex81, Tem81, vK83a]. **#27887a** [AD88]. **#3506** [Fet81c]. **#361** [Sal84, SL85]. **#4049** [Fet82a]. **#4774** [Sal81]. **#484** [Sha82b]. **#4914** [Lon83, Smi83]. **#5375** [Kni88]. **#5542** [GS80]. **#5546** [Bri82]. **#5952** [Car80, Fet81e, Fet82a]. **#6725** [Fet81b]. **#7119** [Che83]. **#7933** [Kel82b]. **#8017** [Bac80]. **#8606** [vK83b]. **#A256** [Dav82].

$(1+2x)\exp(x^2)\operatorname{erfc} x$ [SL81]. $(a,b) \leftarrow \left(\frac{a+3b}{4}, \frac{\sqrt{ab}+b}{2}\right)$ [BB89]. 0 [LMv86]. 0, 1 [Kal82]. $0 \leq x < \infty$ [SL81]. 1 [GL82, LMv86, LC88, Set80]. $1 + 2^a = 3^b5^c + 2^d3^e5^f$ [Ale85]. 10^10 [te 86b, te 86a]. 11 [ACHv80]. 19 [SF85, SS86b]. $1 < n < 7$ [NB89]. 2 [CL83, GL85, LS89]. 2 000 000 [SF85]. 21 [MPR81]. 25 [NN80]. $25 \cdot 10^9$ [PSW80]. 26 [NN80]. 284 457 [SS86b]. $2^m \pm and1$ [Bri82]. $2^{n-2} \equiv 1 (\mathrm{mod}\, n)$ [Rot84]. $2^{n-k} \equiv 1 (\mathrm{mod}\, n)$ [She86]. $2 * 3 * 5 * \cdots * p + 1$ [Tem80]. $2 \cdot 3 \cdot 5 \cdots p \pm 1$ [BCP82, Kel83a]. 3 [Bea86a, BGZ85, DF81, Hag83, Kis83]. 32 [Rus89]. $3 \cdot 2^n + 1$ [Kel82b]. 42 [AD88]. $50 \cdot 10^9$ [KSW86]. 9 [SS86b]. ${}_3F_2(1)$ [Lav87]. A [CR82, Sha81]. $A(\alpha)$ [Sha82a]. $A5^n - 1$ [Wil87]. $A7^n - 1$ [Wil87]. $A^4 + B^4 + C^4 = D^4$ [Elk88]. $A^4 + B^4 = C^4 + D^4$ [Zaj83]. α [Coh84]. $Ax = \lambda Bx$ [McC81a]. B [DM83, LA82, LA84]. BN [Pia81]. coth [Lin86]. $D < 10^7$ [LQ88b]. $D^{1/2}$ [EL89]. $\Delta u = u - u^3$ [Lun80]. e [Bai88b]. e^{-x} [Und86]. F_{17} [Gos80]. F_7 [Bac80]. Γ [BB82]. $GL(n, \mathbf{Z})$ [PP80a, PP80b, PP80c]. h [Mos81]. H^{-1} [Nak84]. $I_0(\xi)$ [Las82b]. I_e [Oku83]. $\int_0^1 t^{-1} \log^{n-1} t \log^p(1-t)dt$ [Köl82]. $\int_0^\infty e^{-\mu t} t^{\nu-1} \log^m t dt$ [Köl83b]. $\int_0^p u^n e^{-u^2} (u+x)^{-1} du$ [NV82]. $\int_0^{\pi/2} J_0^2(\gamma \sin x)dx$ [SF87]. $\int_0^{\pi/2} J_\nu^2(\lambda \cos\theta)d\theta$ [Won88]. $\int_0^{\pi/2} \log^n \cos x \log^p \sin x dx$ [Köl83a]. $J_0(x)$ [WBR82]. $J_1(x)$ [WBR82]. $J_n(z)$ [CM83]. $k! + 1$

[Tem80]. K [Lue89, Jae83, Jae85]. $k \cdot 2^m + 1$ [CW80, Kel82c]. $k \cdot 2^n + 1$ [BCW81, BCW82, Kel82a, Kel83b, Jae83, Jae85]. $Kf = g$ [Lue89]. $Ki_n(x)$ [Bla82]. L [Rot82]. L^2 [Jia87]. L^∞ [Jia87, Gol80, BD80]. L_1 [SH80]. L_2 [CT87b]. $L_2[0, 1]$ [Cho82]. L_∞ [SW82a, Sch80a, SH80]. L_p [CT87b, Las86]. λ [EM87]. $\log(e^x e^y)$ [NT87]. LU [Cha85, Elm86, JT81, Cha84]. M [Col82, AJS83, HP84]. M_{12} [BR88]. M_{22} [Mal88]. $\mathbb{Q}$ [Mal88]. $\mathbf{Q}(\sqrt{2+\sqrt{2}})$ [CD86]. $\mathbf{Q}(\sqrt{3+\sqrt{2}})$ [CD86]. $\mathcal{Q}(\sqrt[3]{D})$ [Wil81b, Wil82b]. $\mathcal{Q}(\sqrt{D})$ [Wil82b]. $\mathrm{GL}_6(2)$ [Dar86]. $\mathrm{SL}(3, \mathbf{Z})$ [GGT87]. $\mathrm{sn}(x, k)$ [Fra81b, Wri81a, Wri81b]. $n! \pm 1$ [BCP82, Kel83a]. N [Col82, Mur82, Lag83, NB89]. $n - 1$ [Lag83]. $N = 13$ [Tro85]. $n = 8$ [PP80b]. $O(n^{1/10.89})$ [AL81]. $\mathrm{Aut}(M_{22})$ [Mal88]. lcm [Mor89, Mor90]. $\bmod p$ [Hud84, Sch85c]. $\mathrm{PSL}_3(\mathbb{F}_4) \cdot 2_2$ [Mal88]. $\overset{\circ}{H}{}^1$ [Wah84, SW82a]. P [Ana87, BS88a, CL83, Dea85, Jam80, SS89, Wag80]. $p + 1$ [Wil82a]. p^6 [Jam80]. $p_r(n)$ [Cos82]. π [Bai88a, Bai88b, BB86, NS84]. $\pi(x)$ [LMO85]. $\pi(x) - \mathrm{li}(x)$ [te 87]. $\psi(x) - \theta(x)$ [Per85, Per87]. $\psi(x; 3, l)$ [McC84a]. $\psi(z)$ [McC81b]. Q [Rot82, ST87]. $Q(\sqrt{3})$ [CD88]. $Q(\sqrt{dp})$ [CL83]. $Q(\sqrt{m})$ [Vau85a]. $R1031$ [WD86]. R^2 [Mae86]. R^3 [Gir88]. S [DM82a]. $\Sigma(k)$ [Bra83]. $\mathrm{SL}_2(\mathbf{Z})$ [FMPT84]. $\sqrt{D}$ [Wil81a]. $\sum X_i = \prod X_i$ [Bro84b]. T [Sid80a, Mar80a]. tanh [Lin86]. $\theta(x; 3, l)$ [McC84a]. $u^2 + 5v^2 = m$ [Wil80a]. $u_t = \nu u_{xx} + u(1 - u)$ [Puc89]. W_p^1 [CT87b]. $x^3 + y^3 + z^3 = 3$ [Cas85]. $x^n + y^n + z^n = 3$ [SB84]. $xy + k$ [Bro85]. $y^{\cdot\cdot} = Ay + B(t)y^{\cdot}c(t)$ [Gek82]. $y^2 - k = x^3$ [Ste86a]. $Y^2 = X(X^2 + p)$ [BC84]. $y^2 = x^3 - 7x + 10$ [BT83]. $Y_0(x)$ [WBR82]. $Y_1(x)$ [WBR82].

-abundant [Coh84]. **-adic** [Dea85]. **-boundedness** [Jia87]. **-clusters** [NB89]. **-connected** [DF81]. **-convergence** [BD80]. **-D** [Bea86a, LC88]. **-dimensional** [AJS83]. **-Distribution** [Mar80a]. **-divisibility** [Wag80]. **-Factorizations** [Cha84, Cha85]. **-function** [Oku83]. **-functions** [BB82]. **-Galerkin** [Nak84]. **-invariant** [EM87]. **-Invariants** [CL83]. **-norm** [EL89]. **-Projection** [CT87b, SW82a]. **-projections** [Jia87]. **-range** [Mos81]. **-regular** [HP84]. **-splines** [DM83, LA82, LA84]. **-stability** [CR82]. **-Stable** [Sha81, Ana87, DM82a, Sha82a]. **-superlinear** [ST87]. **-transformation** [Sid80a]. **-version** [BS88a, SS89].

01021a [Ano88b].

1 [KP88]. **10** [Fet84b]. **15** [Fet81d, KP88, vK83f]. **16** [vK83c, vK83d, vK83e, vK83g]. **16th** [Sal81]. **1933** [Sal80]. **1983** [GW84]. **19th** [Sal81].

2 [DNW88, Mah80]. **2-D** [DNW88, Mah80]. **23** [Dav82]. **26** [Sal84, SL85]. **27** [Fet82a]. **29** [Bac80, Bri82, GS80, Lon83, Smi83].

3 [LQ88a]. **3-D** [Bea86b]. **3-Sylow** [LQ88a]. **30** [AD88, Kel82b]. **32** [Bla82, Sha82b]. **33** [Car80, Fet81e, Fet82a, Kel82a, Kro80, Ske86a]. **34** [Fra81a, vK83b]. **35** [Kel82c]. **36** [Fet82b, Had82]. **37** [BCW82, Mei85]. **38** [Kel83a, Pex81, Tem81, vK83a]. **39** [LA84, te 86c].

40 [Fai84, Fet81b, Jae85, Vau84]. **41** [Has86, Rab85, Rab88b, te 86d]. **42** [Cha85]. **43** [Fet81c]. **44** [Gra87a, Hea86, Per87]. **45** [Lew87, Wil88]. **47** [HH88b]. **48** [Zag88].

50 [Kni88]. **50th** [Gau94]. **51** [Bac80]. **52** [Bri82, GS80, Mor90]. **53** [Kel82b, Stu81a]. **54** [Fet82a]. **56** [Che83]. **57** [Bla82]. **58** [AD88, Sal81, Sha82b].

6 [Phi87]. **65009** [Fet82b]. **69-0172** [Fet81b].

80f [Kro80]. **80h** [Kel82a]. **80j** [Ske86a]. **81f** [Fra81a]. **81g** [Kru83, Sol86, vK82]. **81i** [Kel82c]. **81k** [II89]. **82a** [Fet82b]. **82c** [Had82]. **82g** [Phi87]. **83b** [Mei85]. **83c** [Kel83a]. **83i** [LA84]. **83m** [te 86c]. **84c** [Fai84]. **84e** [Vau84]. **84i** [Rab85, Rab88b]. **84k** [Jae85]. **84m** [Has86]. **85e** [te 86d]. **85i** [Cha85]. **86b** [Hea86]. **86k** [Per87]. **86m** [Lew87, Wil88]. **87a** [Gra87a]. **87g** [HH88b]. **87k** [Zag88]. **88m** [Ano88b].

A. [II89]. **A.-P.** [II89]. **Abel** [Egg89, Lub83, Lub85]. **Abelian** [Set80, van82a]. **absolutely** [DW89]. **Absorbing** [Hal82, Hig86a, Hig87, TH86]. **Abstract** [Kea87, Las86]. **Abundance** [BH86]. **abundant** [Coh84]. **Academic** [Ano88b, Car80, Che83, Fet81e, Fet82a, Kru83, Sol86, vK82]. **Accelerated** [Hug86, AH81, Had82, HH88b, Mar80c]. **accelerating** [AJS83, Lev80]. **Acceleration** [Bre82b, Kel86, Saa84, GL82]. **accelerators** [SF82]. **Accuracy** [JS85, Mon85a, BM82b, Eri85c, GL85, Sch80b]. **Accurate** [Gar84, HH88a, MNP84, BDK82, BSC81, DK85, HTE81, OS86b, San88, Sch83a]. **adapted** [Eri85c]. **Adaptive** [VB81c, EJ88, MT86, OO84]. **Addendum** [Fra81a, Zag88]. **addition** [McC86]. **Additive** [CS80a, CS83a, LO83]. **ADI** [HV89]. **adic** [Dea85]. **Admitting** [För87]. **advanced** [Gre82]. **Advection** [Pas80, Hal86]. **Aerospace** [Fet81b]. **ahead** [PTL85]. **Air** [Fet81b]. **Aitken** [MP85]. **Algebraic** [Boy85a, Boy85b, BE88b, Smy84, AD88, BE88a, Bru82, BW88, BW89, Eas86, GN88, Ger83a, KLL88, LP86, Rhe84, Sid80b, Smy81, Toi86, Vau83, Vau84, Vau85b]. **Algorithm** [AL81, Bai88a, Ger88, GM84, HJ81, HW84, PSS82, Sto80, Yan87, BF89a, BC82b, CZ81, Cas80, DL88b, EK89, Fie81, FM85, For81, Gar88a, Ger83c, Gla87, Gre82, Hil82, JF87, Kiw85, Las82a, Leo80, Mar80b, McC83, Mit83a, PTL85, SL84, Sey87, Sim84, Spe86, Tan88, WW87, Wun83, Wun85]. **Algorithmic** [Wil80a, Mon81]. **Algorithms** [BP88a, BB86, BP87, MNSS89, Mos81, SS85, van88, BPX88, BM80, Bul80, Kim88, McC86, New85, Stu81b]. **aliquot** [GS80]. **almost** [Kis81]. **alternating** [Phi80]. **alternative** [McC83]. **Always** [Bro85]. **amalgamated** [Sto81]. **Amicable** [Bor81, BH86, te 84, te 86a, te 86b, BB88]. **analogue** [WD84]. **Analysis** [AK81, BOP80, BR82, Ben84a, Ben84b, BR85, Dem88, Gar88b, II89, JP82, KL85, Pai80, PS83, Sid80a, Ste84b, Tha81, BSC81, BHK84, BPX88, Cyb83, Elm86, EN87, FP85, FO82, Gal83, IIMPL81, JP86, OS86a, Sal81, Wei84b, Wun83, Ziv82, Stu81a]. **Analytical** [Mas83]. **Anderson** [Kin83]. **anharmonic** [IIMPL81]. **Anisotropic** [DMG89b]. **Anniversary** [Gau94]. **antiautomorphisms** [WWL81]. **any** [Lag83]. **AOR** [Mar81, Pap83]. **Apollonian** [Boy82a]. **Application** [CD87, GM85b, Ioa85a, PdW86, de 86, Ell83, GM85a, Ger83a, Gir87, HTN83, Has86, Rei85, SWW83, Spe86, dW85a]. **Applications** [II89, PP80b, Ril83, BJVZ89, Cyb83, Mah80]. **Applied** [Tro80, Hac80, LeV86, Sar87]. **Approach** [Ste84b, VB81c, CMSY83, SN83]. **Approximants** [NZ82, Und86]. **Approximate** [Lev83, Sch86, JS81, Kim88, NV88, Vér82]. **approximating** [Mon88, Tsu86]. **Approximation** [BF86, CQ82, CH84, Cho82, DLR81, DW83, Egg84, JE82, Kea83, KG85b, MORR81, MW86c, Sha84, SL81, WF82, ADT81, AG83, BO89, BDK82, Bre89b, Dea85, DRS85, DW81, DS80b, Ell83, EGL80, FM86, FCM88, Gar84, Gev84, GR81, KG85a, LV89, Lue89, Mil87, Mit83b, Neu87, Pie88, Rei85, SB89, SS86a, Ste86b, SN83, VB81b, dS80a, dS81a]. **approximation-theoretic** [VB81b]. **Approximations** [Bal84a, Ben83, BE88b, DD86a, DD86b, Hea85, Ise82, IN83, Mic87, Mik89, MS87, New84, BD80, BDK83, Bal84b, Bla82, BP88b, BP88c, BE88a, CM80, CL84b, CTW89, Dur87, DNW88, EO80, EO81, FG88, GT81, GT85, GT87, HLR88, Hea86, Hig86a, HS85, JF87, JLTW87, Las86, Mic83, Nas87, OS83, OHW85, OT88, Pen81, RS82, SJI85, Tad83, Tan88, WBR82]. **arbitrarily** [For88]. **Arbitrary** [Met86, AG83]. **arc** [BS88b]. **argument** [Lew85b, Lew87]. **arise** [GT84]. **Arising** [Que81, NS84]. **Arithmetic** [FP84a, Gor87, GW85a, Man84, Pri83, Wil80b, GW85b, Gra87a, Hud85, McC84b, Pri85, Rot82, Stu81b]. **Arithmetic-Harmonic** [FP84a]. **ARL** [Fet81b]. **Artificial** [Hal86]. **Aspects** [SW86a]. **assisted** [BBG86, Vrs86]. **Associated** [Bau86a, Lac84, Bau86b, DiD82, Lew86, MPR81, SW82b, Vrs86]. **Asymptotic** [AW83, BLL87, BL88, Che82, GV87, HK87, IL88, SW82b, Sta81, Ste84c, SF87, Won88, Boy81, Eli86, FW85, HC81, Mei85, SW85, Und86, WM81]. **Asymptotically** [Dix81]. **asymptotics** [Tem86]. **attenuation** [Loc81]. **attractors** [HLR88]. **August** [Gau94]. **author** [Bla82, Bri82, Had82]. **Automatic** [Del81, HTN83, Has86]. **automorphism** [SS88]. **Avdelas** [Had82]. **average** [MZ88]. **Averages** [Mar82b]. **Averaging**

[Hud85]. **away** [Lay81]. **Axiomatization** [Man84].

Babuska [Pit80]. **Backtrack** [BC82b]. **Backward** [BE88a, BE88b, BPST89, Eld82a, Eld82b, LP86]. **Badii** [Kni88]. **Baillie** [Kel82a]. **Band** [DMS84]. **Banded** [BP88a]. **Base** [Fet81b, Leh81, Leo80]. **Based** [Sha81, LO83, Nie83, Sha82a, SSO83]. **Bases** [GS89, LS87, Ste88]. **basic** [Sch80b]. **basin** [DLR81]. **basis** [Por85, VB81a]. **Beckers** [Shi84]. **Behavior** [Ste84c, Gal83, Gau83, Tad84a]. **Bell** [How80]. **Below** [te 86a, te 86b, Zag82]. **bending** [Pie88]. **Berlin** [Fet84b]. **Bernoulli** [HP84, TW87, Wag80]. **Bertrand** [Ioa85a]. **Berwick** [Tza86]. **Bessel** [Ben83, Cha82a, CM83, CS80b, Gla81, Las82b, LW82, New84, Pie84, Tem86, TW80, WBR82]. **Best** [Cho82, Sha84, Dea85, Net80]. **best-possible** [Net80]. **between** [BF89a, Leh88b, Odl87]. **Bi** [IN87, KBF87]. **Bi-cyclide** [KBF87]. **Bi-Orthogonality** [IN87]. **Bickley** [Bla82]. **bifurcation** [BB85a, Mit83a]. **biharmonic** [Mon88]. **Binary** [PdW86, de 86, JS87a]. **Binomial** [Goe88, Hud84]. **Birch** [BGZ85]. **Birkhoff** [Bör89, Dyn84]. **Bisection** [Adl83, Kea87, Sty80]. **bits** [KLL88]. **Bivariate** [CH89, DL88a, AEM87]. **Björck** [Kin83]. **Block** [BP88a, Cas83a, Cas83b, Pap83, RW84, Mak80, Mak81]. **block-by-block** [Mak80, Mak81]. **Blurred** [Swa89b, Swa89a]. **bodies** [Dja81]. **Bois** [Dav82]. **Book** [Tha81, Ano88b]. **Borders** [Swa89b, Swa89a]. **Borweins** [Bai88a]. **Boston** [Ano88b]. **Bound** [BN82a, BC89a, BC89b, EKS88, Kea87, Par83, Cha82a, Let86, TW89, Zag82]. **boundaries** [Tre85]. **Boundary** [AV85a, AV85b, Ben84a, Ben84b, Gar87a, Gir88, GR89b, MW86b, McI86a, McI86b, Mic87, Slo83, Arn83, BS88a, BSC$^+$80, BL88, CT87a, CS87b, DL81, Dut89, ET84, EN87, Fai84, FG88, Gar87b, Gar88c, GT81, GT85, GT87, Gui87, HK87, HH88a, Hal82, Hal86, Hig86a, Hig87, HV89, II89, JN80, Kat80, KFD83, Las86, LeV86, Lun86, MW86a, MR83a, Mat87, McL86, Mic83, Mun81, NV88, OS86a, OO84, Sch86, Shu87a, SS89, Tad83, TH86, Wei84a, Wei86, Wei84b, Win81]. **bounded** [LS86, TL85]. **boundedness** [Jia87]. **Bounds** [Olv88, BBG82, CGT88, HS85, JS85, MNR89, Mie80, Ral83, TW83]. **Box** [DL88a, Wei84b]. **Brasil** [II89]. **Breakpoints** [Cho82]. **Breeding** [BH86]. **Brent** [te 86c, New85]. **Brillhart** [Bac80]. **British** [Gau94]. **Buhler** [Kel83a]. **Bur** [Smi83]. **Burgers** [Rob89]. **Byrd** [Fet81c].

C [Bla82, Fai84, Fet81b, Kel82c, Sha82b]. **Calculating** [MT80, FP85, Wil80c]. **Calculation** [FW84, HHR$^+$87, Lev83, WCS80, Wri81a, BK89, Dja81, Mas83, SWW83]. **Calculations** [CGS89, EO80, GT84, Luc83b]. **Calculator** [Tha81]. **Calculus** [Sal80]. **Calderón** [II89]. **Cambridge** [Stu81a]. **capturing** [Sze89]. **Cardinal** [CJW87, Lun80]. **Carlo** [Bue84, SL84]. **Carmichael** [Dub89]. **Case** [Cas83a, Cas83b, DMG89a, DMG89b, PdW86, PP80a, PP80c, de 86, AH81, EL89, Had82, TW89]. **Cases** [Car89]. **Caslin** [Fet81b]. **Cauchy** [Rab85, Rab88b, BS88b, CM87b, FM86, Ioa83, Ioa85a, Ioa85b, Mas89, Oke87, Rab83, Rab88a, RL89]. **Cauchy-type** [Ioa83, Ioa85a]. **cell** [Cot87]. **Cells** [BB85b]. **century** [Gau94, Sal81]. **Certain** [Bre80, Hud84, JA82, Wah84, Akr85, BLL87, BBG87, Bru82, BW87, Cha82b, CR82, CR83, Eas86, Gar88a, Gre82, Hil82, Las82b, Let86, LS83, Mas89, TW86, Wag80, Wil80c, WD84]. **Chains** [Löh89, McC86]. **change** [FM85, Ste84a]. **character** [MP87]. **characterization** [ST87]. **Characterizing** [Ada87]. **Characters** [Dar86]. **Chebyshev** [Bla82, FO86b, Has86, Per87, Boy81, Boy82b, BS84, CM83, DW81, FR89, Fis88, FO86a, För87, GR81, Got81a, GO82, HTN83, Hor80, JF87, Per85, Saa84, Sch80b, Scr88, SL81, Tan88, WBR82, Xu89]. **Chebyshev-Type** [FO86b, FO86a]. **Chemical** [BB85b]. **Choice** [Gfr87b, Gfr87a]. **Circle** [Mae86]. **Circular** [CS87a, CsAS87, GO82]. **Class** [Bue87a, CM87a, Gla81, How80, HW82, IS86, Mol87, Sch83b, SW88a, Ser80, Was87, van82a, BC86, BW88, BW89, BPv89, Bue84, BS84, CMSY83, CW87, CGT88, CR82, DW85b, EN87, HHR$^+$87, Hil82, HS85, Let86, LQ88a, Mas83, MPR81, MP87, Mun81, SWW83, Set80, Sta81, SW88b, TW86, WDS83, Wil88]. **class-number** [TW86]. **Classes** [Len84, Mac80, DM82a]. **Classgroup** [CL83]. **classical** [MZM89]. **Cliffs**

[vK86]. **Closed** [Köl82, DLR81, LS85]. **Closure** [BC82a]. **clusters** [NB89]. **Codes** [Gor87, Sha81, SW86b, Sha82a]. **coefficient** [AD82, Fal83, GOT81b, Ric81]. **Coefficients** [Bal84a, Fra81b, Goe88, Hud84, NT87, Wri81a, Wri81b, Bal84b, BDS85, Bro84a, Cha87, EGL80, FW80, Fra81a, Hor80, Kar86, Kee89, Kip84]. **Cohen** [Was86]. **Cohomology** [Rus89]. **Collocation** [AW83, AW84, Bru89, LN89, MR83a, dS80a, dS81a, AD82, Bru85, CG88, CS87b, CES88, Fis88, KS87, Kum88, Nak84, SW85, Sch86]. **collocation-** [Nak84]. **collocation-Galerkin** [AD82]. **collocation-type** [KS87, Kum88]. **Columbia** [Gau94]. **column** [JS87a]. **Combined** [LL83b]. **Comment** [II89]. **comments** [TW80]. **Common** [Ben83, KR89, Lac84]. **Commutator** [BC82a]. **Comp** [AD88, Bac80, BCW82, Bla82, Bri82, Cha85, Fai84, Fet82b, Fet82a, Fra81a, Gra87a, GS80, Had82, Has86, Hea86, HH88b, Jae85, Kel82a, Kel82b, Kel82c, Kel83a, Kro80, LA84, Lew87, Mei85, Per87, Rab85, Rab88b, Sha82b, Ske86a, Vau84, Wil88, Zag88, te 86c, te 86d]. **Compact** [Swa80, MP87]. **Comparison** [BK89, Scr88]. **comparisons** [SF82]. **Complete** [DM83, Man84, PP80c, Fet81b, SS88]. **Complex** [ALS89, GO82, Sch83b, Ser80, BS88b, Buc87, BW87, CH84, CM83, Cor80, CT89, DW85b, Ell83, Fet81b, GR81, Kim88, Rei85, SN83, Tan88, Wil88]. **complex-valued** [GR81]. **Complexity** [Wer84b, Wer86a, FP85, Wer80, Wer86b]. **Composite** [Dyn84, Ise82, YB88, EP86, Jae83, Jae85, KP89, MT86]. **Compressible** [DR83]. **Comput** [Mor90]. **Computation** [AMS84, Bai88a, BP89a, BP89b, BBG82, Cha84, DW85b, Ell83, ELS89, Kar80, Lan81, MP87, PZ82, PWZ82, Sch85c, SW88b, TL81, TZ87, Wil88, te 86a, te 86b, BM80, Bru82, Buc87, BW89, BF89b, BPv89, Cha85, CW87, Gau94, GR89a, Las82b, Mat87, MNP84, Sid80b, Tem86, TW80]. **Computational** [Wer80, Fai84, Gau94, KFD83, SW88c, Tha81]. **Computations** [van82a, EG87]. **Computer** [CD86, Man84, BBG86, Gar88a, Ril83, Vrs86, WWL81]. **computer-assisted** [BBG86]. **Computing** [AS86, BC82a, BC82b, CGM86a, CGM86b, Can87, Dar86, GS89, GW85a, GW85b, Gra87a, KR89, LMO85, LS85, New86, Poh87, Sil88, EM87, JF87, Kro80, Lev82a, Mar80b, McC81b, Mos81, Vau85b]. **Concerning** [Ste88, Wil81b, BCW81, BCW82, SW88c]. **Condition** [Hei89, Gui87, OHW85, Sch85b, Tad84b, Vil88]. **Conditions** [Gir88, Pit80, BS88a, BC86, FG88, HK87, HH88a, Hal82, Hal86, Hig86a, Hig87, LeV86, Slo83, Swa80, Tad83, TH86]. **conductor** [ACHv80]. **configurations** [DM83]. **conformal** [Rei85]. **Congruence** [Rot84, She86]. **Congruences** [TW87, AEM87]. **congruential** [AW89, ELT88, Nie89]. **Conjecture** [Yam86b, BGZ85, Dea85, Yam86a]. **Conjectures** [Fra81b]. **Conjugate** [SS85]. **connected** [DF81, WT82]. **Connection** [Leh88b]. **conservation** [CS89, CM80, EO81, GL85, HTE81, JS87b, Luc86a, Luc86b, OS82, OS83, OT88, San88, Shu87a, Shu87b, Spe87, Sze89, Tad87, Vil88]. **conservative** [Sch85b, Tad84b, Win80a]. **consistent** [DM82a]. **Constant** [Bue87b, GW85a, Bai88b, BM80, Cha87, GW85b, Gra87a]. **constants** [Bai88b, BF89a, BW87, Dea85, Net80, SW82b]. **constrained** [DF83, Neu87, ST87, Tap88]. **constraint** [BS88a]. **Constraints** [MW86c, LP86, Mil87, SB89]. **Constructing** [PP85a, PP85b]. **Construction** [Kre86, Ske86b, Ske86c, ATZ83, BPS86a, BPS87, BPS88, BPS89, Fer80, Gla87, Vau85a]. **contain** [SS86b]. **containing** [Las82b, Mas83, SS88, Tem86, Tre85]. **contains** [Mah85]. **Continued** [Dud87, PW85, Wil81b, Cha80, Gau83, Jag82, McC83, TW83, Wil81a, WD84, WW87, Wun85]. **Continuous** [AM89, Ben84a, BJVZ89, JF87, Zen86]. **Continuum** [II89]. **Control** [Win80b, CT87a]. **Convection** [DMG89a, DMG89b]. **Convection-Diffusion** [DMG89a, DMG89b]. **Convenient** [GT85, GT87]. **Convergence** [AW83, BDK83, BM82a, Boy80b, Bra84, BP87, Bre82b, CN88, Cot87, Del89, EN87, Gfr87b, Gre86, Hac80, HT81, Hug86, KG85b, LC88, Lor86, LP86, LS86, Luk88, Mak80, Mic87, Pie88, Puc89, Rab88a,

Rob89, Sze89, Yse86, van88, AJS83, BD80, BM81, Boy81, Boy82b, CS87b, CES88, CM87b, DRS85, DW81, Dut89, Eri85b, Far86, Gau83, Gev84, Gev89, Gfr87a, HH88b, HV89, Ioa83, Ioa85b, Jag82, JS87b, Kin80, KG85a, Lev80, LR84, Mar80b, Mar81, Mas89, OT88, Par80, Pen81, Phi80, Rab86b, San83, SW85, Sch84c, Shi84, Shi87, Sid80a, SF82, SS89, ST87, Sty80, Tsu87, Vér82, Ypm83, dS81b]. **Convergent** [Bai88a, Bea86b, Gar88b, KMS+86, Arn83, Bea86a, McC81b, PT85]. **Converging** [BB86]. **Convex** [Cos86, Met86, Kiw85, Spe86]. **convexity** [DEH89, FM86]. **convexity-preserving** [DEH89]. **convolution** [Mah80]. **coordinate** [KBF87]. **coordinates** [WT82]. **Cormack** [Kel82c]. **Corner** [Wah84, Dja81]. **corner-shaped** [Dja81]. **corners** [Pit81]. **corrected** [vK82]. **Correcting** [Gor87]. **Correction** [Pai82, Rab85, KBF87]. **corrections** [Auz87]. **corrector** [JM85]. **Corrigenda** [Ano80, BCW82, Bla82, BP88b, Fai84, Fet82a, God84a, Had82, Hea86, HH88b, LA84, Mor90, Rab88b, Vau84, Wil88, te 86c, te 86d]. **Corrigendum** [Ano88a, Cha85, Fet81a, Fet82b, Gra87a, GS80, Has86, W.80, Jae85, Kel83a, Kro80, Lew87, Mil87, Per87, Sha82b, Shi19, Ske86a, Fra81a]. **Cosine** [BDS85, BD89a, BD89b]. **cosines** [Sal84, SL85]. **Cost** [Kea87, New86]. **counterexample** [Dea85]. **Counting** [EKS88, JS87a, Shi86, Shi19]. **coupled** [IIMPL81]. **coupling** [JN80]. **course** [Stu81a]. **covers** [LS85]. **Crandall** [Kel83a]. **crimes** [Gol80]. **Criteria** [Sch83c, Bri82, GT81, GT85, GT87]. **criterion** [Iga84]. **Critical** [FCM88, BvtW82, te 86c, te 86d, vt83, vtW86]. **Crosswind** [JSW87]. **Cryptosystems** [Kob87]. **Cubatures** [Mae86]. **Cubic** [Car89, ET85a, ET85b, GS89, JS81, LO82, Was87, WCS80, Yan87, BC86, CS87c, DEH89, DW85b, Let86, LQ88b, SWW83, TW86, Wil80c, WDS83, WD84, Wil88]. **Cumulative** [AMS84]. **Curiosity** [Ste88]. **Curvature** [MS87]. **Curve** [Can87, Kob87, Yan87, van88, BGZ85, Las82a, Mon87, SH80]. **curve-fitting** [SH80]. **Curves** [BM82c, Kre86, Rüc87, Sch85c, Sil88, Zag87, ACHv80, CES88, Rei86, Sar87, TZ87, Zag88]. **Cusp** [FMPT84]. **Cyclic** [ET85a, EMT85, Gra87b, RW84, Tro80, Tro85, HHR+87, Leh88b, SW86b, Tro89, Vau85a]. **cyclide** [KBF87]. **Cyclotomic** [BS89, BSSW87, IS86, LL87, SW88a, BW87, CT89, SWW83]. **Cyclotomy** [LL83a]. **cylindrical** [CS80b].

D [Bri82, Fet81c, te 86c, Bea86a, Bea86b, DNW88, GL85, LC88, Mah80]. **D.C** [Lon83, Smi83]. **Data** [Fra82, BPST89, CT87c, CTW89, Eri85a, GV87, JLTW87, Las86, Nie83]. **Davis** [Che83]. **Decay** [DMS84]. **Decimal** [Bai88a, Sal84, SL85]. **Decomposition** [Bun82, Mah85]. **Decompositions** [JT81, Pai80, Ste84c, MP87]. **Defect** [Auz87]. **Definite** [Gla83, Man80]. **definiteness** [Rab86a]. **Definition** [GfZ88, BF88]. **Deformations** [BB85a]. **degenerate** [Noc89, Soc86]. **Degree** [Bau86a, Met86, AG83, Bau86b, GO82, Rab80, SW85, Sal84, SL85]. **delay** [Bru89]. **denominator** [Mah85]. **Density** [Cos82]. **Dependent** [BOP80, Bal84a, HT81, AD82, Bal84b, BDS85, DW83, Kar86, Kee89, Tad83]. **derivative** [CS80b, CS82, CS83b, Eli86, KG82]. **derivatives** [Apo85, Ioa85b, McC81b, Net80]. **derived** [McC86, Toi81]. **Description** [PP80c]. **Design** [Gar89]. **Determination** [Bra83, EL89, FT84, Wil82b, AW89, BW87, CT89, DLR81, Net80, Rei86, Set80]. **determined** [Mol87]. **determining** [Fie81, Gar88a, Zul88]. **devices** [Zlá86]. **diagonal** [Kat80]. **diagonally** [Mar80c, Mar81]. **diagram** [BB85a]. **Diaz** [Fai84]. **Difference** [Bue87b, DW83, Eva83, Gar87a, Gar88b, GfZ88, Mic87, Sch85a, Soc86, Sto80, te 87, BSC81, BPST89, Cas80, CM80, EO81, For88, Gar87b, Gar88c, GT81, GT85, GT87, GT84, GOT81b, Gre82, Hac80, HTE81, Hig86a, HS85, Hof85, Kar80, Lew85a, Luc86b, LR80, MZM89, McC83, Mic83, Mun81, Nas87, OS82, OT88, San83, San88, Slo83, Sta81, SJI85, Swa80, Tad83, Tad84b, Tre85, Wei84a, Wei86, Whi83, Ypm83]. **Difference/Finite** [Gar88b]. **Differences** [Isa80, Mor89, Sal80, Kro80, MNP84, Mor90, NS85]. **differencing** [San83]. **Different** [te 81, Sch85a]. **Differential** [AV85b, BE88b, Cas83a, Cas83b, DD86a, DD86b, Gek82, Maj86b, Rhe84, AV85a, BW85, BE88a, Bru84, Bru89, Cha82b, Cha87, CS80a, CS83a, CR82, CR83, DHT81, Fat80, FO82,

Gre82, HLR88, Hor80, Ise81, Kat80, LO83, LeV86, Lew85a, LP86, LR80, Maj86a, Mak80, Mak81, MZM89, RHD81, Sch83a, Swa80, TZ89, Wer80, dS80a, dS81a, de 87, vt85a, vt85b]. **Differential-algebraic** [Rhe84]. **differential-difference** [Gre82, Lew85a, MZM89]. **Differential/Algebraic** [BE88b, BE88a]. **Differentiation** [BE88b, AJ81, BE88a, LP86]. **Differing** [LM81]. **Difficult** [Dem88]. **Diffusion** [DMG89a, DMG89b, Cha87, Gal83, Hal86, JS86, JSW87, LC88, OS86b, Ric81, SW83, Sze89]. **digit** [Sha82b]. **Digits** [Bai88a, LMv86]. **Dimension** [CH89, ET84, EN87, Gar88a]. **Dimensional** [MMM88, PP80a, PP80c, PH84, VB81c, AJS83, BS88b, BK89, CT87a, CN88, Cot87, Dja81, Hal82, Hof85, Lev82a, Mas89, Neu87, OS86b, VB81a, VB81b]. **Dimensions** [BM82a, PP80b, PP80c, BM82b, Gui87, SW83, Sze89, WZ88]. **Diophantine** [Ale85, Bro84b, Cas85, Dea85, Gup84, Hil82, Hud84, Mol87, SB84, Wil80a, Zaj83]. **Direct** [DM82b]. **Dirichlet** [Auz87, Bra81, BP89a, BP89b, HW82, Wer82]. **discontinuity** [Lay81]. **Discontinuous** [DHT81, DD86a, DD86b, CS89, JP86, Ric88]. **discrepancy** [AW89]. **Discrete** [AB87b, Bal84a, Ben84b, Tsu87, AB87a, BDK82, Bal84b, CTW89, DK85, FM86, GV87, JLTW87, Sch80a]. **Discretization** [GR89b, BB85a, BL88, CT87c, DW81, Eld82a, Eld82b, Gev89, Hal82, SSP85]. **Discretizations** [Maj86b, Kee89, Maj86a, MZ88, Spe87]. **discriminant** [BF89b, God84a, God84b, LQ88b, Sey87, Vau83, Vau84, Vau85b]. **Displacement** [DR83]. **Dissection** [Ana80]. **Dissipation** [KG85b, KG85a]. **dissipative** [Lay81]. **distance** [Ziv82]. **Distinct** [Lun88, Kis85]. **Distribution** [Mar80a, Pom81, Ray88a, FW84, Hud85, Odl87, Ray88b, Wri84]. **distributions** [SW86b]. **divergence** [LV89]. **divergence-free** [LV89]. **Divided** [NS85, Kro80, MNP84]. **divisibility** [Wag80]. **Divisible** [Kis83, BB88, Kis85]. **Division** [Mon85b]. **Divisor** [Ray88a, Ray88b]. **Divisors** [Goe88, KR89, Len84, Wag83]. **Does** [Wer84b]. **Domain** [GGT87, LC88]. **domains** [Auz87, Gol81, Gol82, HK87, Pit81, RHD81, Sch80a]. **dominant** [Mar80c, Mar81]. **dominating** [Gaá88]. **Double** [Lev82b, Lev83, IIMPL81, Lev80, Tem86]. **Doubled** [Löh89]. **doubly** [WT82]. **doubly-connected** [WT82]. **Dover** [Dav82, vK83b]. **drives** [GS80]. **due** [BB85a]. **Dueck** [Wil88]. **Dyer** [BGZ85]. **dynamic** [HTE81]. **Dynamics** [Le 81a, HH88a].

edition [Car80, Fet81c, Fet81e, Fet84b, Pex81, Stu81a, Tem81, vK82]. **Edwards** [Bla82]. **Effect** [McC86]. **Effective** [Eas86, MNR89, PZ82, PWZ82, Wil87]. **effects** [Hud85]. **efficiency** [McC86]. **Efficient** [BP88a, BS80, ELS89, Smi89, Wil80a, Kin80, Mit83a, NV88, Sid80b, Spe86]. **eigenfunctions** [Gar84]. **Eigenvalue** [Mar82a, MORR81, Nas87, Pai82, PSS82, Saa84, ER80]. **Eigenvalues** [BP88a, GK89, BO89, Gar84, dS80a, dS81a]. **eigenvector** [BBG82]. **eigenvectors** [BO89]. **Eight** [Mor89, PP80c, Hag80, Mor90]. **Eighteen** [Pri83]. **Eighth** [BP81]. **Einstein** [GM85a, GM85b]. **elasticity** [PS83]. **Element** [AK81, Ben84a, Ben84b, CT87b, Gar88b, Gir88, SW82a, Ste84b, Wah84, Yse86, ADT81, AW82, BS88a, BO89, BD81, BR82, CN86, CMSY83, CT87a, CS89, DW89, DL81, Dur87, DNW88, Eri85a, Eri85b, Eri85c, EJ88, Fai84, Fie81, Fri84, Gol80, Gol81, Gol82, Han82, JN80, JP82, JS87b, JSW87, KFD83, KL85, Lus80, MZ88, MNR89, Mil85b, Mon88, OS86b, Pit81, PS83, PS85, RS82, Sch80a, SW83, SS89, Sze89, TZ89, Wer82, Win80a, Win81, Zlá86]. **element-Galerkin** [BO89]. **element-penalty** [CMSY83]. **Elementary** [Mey84, Smi89]. **Elements** [BBP81, AM89, BR85, Bre89a, CF89, Gau83, Shi84, Shi87]. **eleven** [Hag83, Kis85]. **Elimination** [Ske80]. **ellipsoidal** [ATZ83]. **Elliptic** [ACHv80, AKS85, BM82c, Car87a, Car87b, Car88a, Car88b, Car89, Fra81b, Gor89, Kob87, Kre86, MM89, Rüc87, Sch85c, Sil88, Wer86a, Wri81a, Wri81b, Zag87, de 86, BW85, BPS86a, BPS86b, BPS87, BPX88, BPS88, BP88b, BP88c, BPS89, BGZ85, CT87a, DR85, EJ88, Fet81c, Fet81b, HK87, Kip84, Las82a, MZ88, MT86, Mil85b, Mon87, Mun81, Nak84, Rei86, RHD81, Sar87, Sta81, TZ87, Wer82, Wer86b, Zag88]. **Enclosure** [GR89b]. **endpoint** [Boy81, LS86, Sid80b]. **energy** [Gev84].

engineers [Fet81c]. **Englewood** [vK86]. **English** [Car80, Dav82, Fet81e]. **enlarged** [vK82]. **entire** [GL82]. **Entropy** [OHW85, EO80, Sch85b, Tad84b, Tad87, Vil88]. **enumeration** [SS88]. **equality** [DF83]. **Equally** [LL82]. **Equation** [Bra84, BC84, CD88, McI86a, PdW86, Poh87, SS84, Ste86a, Wil80a, de 86, Ale85, AD82, ADT81, AW82, AM89, BDK83, BS88b, Bro84b, Bro84a, Cas85, Coh82, CES88, DK85, FM86, Hal82, Hal86, Hig86a, Hig87, Hof85, JP86, Las82a, Lun80, McL86, Mon88, OHW85, Puc89, Rob89, SB84, SB89, Swa80, Win80a, Zaj83, dS80a, dS81a]. **Equations** [AB87b, AV85b, Bal84a, BD89b, Ben84a, Ben84b, Cas83a, Cas83b, Coh88, DMG89a, DMG89b, DD86a, DD86b, Dup82, Gek82, Gir88, Gup84, HT81, Kel86, KG85b, Le 81a, Le 81b, Maj86b, McI86b, Mis84, Pas80, Str89, Tho81, Yse86, AB87a, AV85a, BD80, BDK82, Bal84b, BDS85, BD89a, BD81, BR82, BW85, BM81, BJVZ89, BT87, Bör89, BHN82, Bru84, Bru85, Bru89, Cas80, CG88, Cha82b, Cha87, CN88, CS80a, CS83a, CS87b, Cot87, CL84b, CR82, CR83, CT87c, CTW89, Cuy82, DHT81, DL88b, Dic80, DR85, Egg84, Egg89, Eld82a, Eld82b, EN85, Fat80, FT84, FO82, FG88, Gaá88, Gev84, Gev89, Gla82, Gla87, Gol82, Gra82, Gre82, GV87, Hac80, HLR88, HS81, Hil82, Hor80, Ioa83, JS81, JS86, JLTW87, JM85, Kat80, Kee89, KL85, KG85a, KS87]. **equations** [Kum88, Lay81, LO83, LeV86, LC88, LP86, Lub83, Lub85, LR80, Maj86a, Mak80, Mak81, MZM89, MT86, Mik89, Mol87, Nak84, Neu87, PS83, Por85, Rhe84, RHD81, Sar87, Sch83a, Sch81, Slo81, SS86a, Soc86, TZ89, Toi86, TH86, Ven86, Vér82, Wer80, Wol83, Wri85, Zlá86, de 87, vt85a, vt85b]. **Equivalence** [BT87, Mon81, SSP85]. **Equivalent** [Ske86a]. **Erdélyi** [Fet81d, KP88, vK83c, vK83d, vK83e, vK83f, vK83g]. **Errata** [Sal81, Ano88b, Bac80, Bri82, Car80, Che83, Dav82, Fet81d, Fet81c, Fet81e, Fet81b, Fet82b, Fet84b, Kel82a, Kel82b, Kel82c, KP88, Kni88, Kru83, Lon83, Pex81, Phi87, Sal84, SL85, Smi83, Stu81a, Tem81, vK82, vK83a, vK83c, vK83d, vK83e, vK83b, vK83f, vK83g]. **Erratum** [Fet82a, vK86, Sol86]. **Error** [CTW89, Fal83, Gor87, HS85, JR82, JLTW87, Olv88, Pai80, TZ89, VB81c, Akr85, BW85, BN82b, BL88, Bre89b, Che82, CMSY83, Com89, DNW88, Egg89, FO82, Gol80, LM80, McC84b, Mie80, NV88, Por85, Ral83, RS82, Ric88, Sar87, TW83, VL80, Wer82, Ziv82]. **Error-Correcting** [Gor87]. **errors** [JSW87, Kiw85]. **escalation** [Mah81]. **Essentially** [CGS89]. **Estimate** [Mae86, BN82b, Ric88]. **Estimates** [BP87, GK89, HT81, Lay81, McC84a, Pai82, Per85, Per87, Wah84, BHK84, Che82, CMSY83, Com89, CTW89, DR85, Dur87, DNW88, Egg89, Fal83, Gol80, JR82, JLTW87, McC84b, NV88, RS82, Sar87, Tho80, TZ89]. **Estimating** [PSS82, Bre89b]. **Estimation** [Por85, VB81c, GT84]. **estimators** [BW85]. **Euclidean** [CD86, PH84]. **Euler** [Phi87, Bai88b, BM80, CN88, Cot87, JS86, Rot82]. **Euler-summation** [Phi87]. **evaluating** [CM87b, WDS83]. **Evaluation** [AB80, BP88a, LA82, LA84, Lev82b, Lin82, LW82, Lin86, NV82, SF87, FW85, Gra88, Mah81, Mah85, Mas89, Mei85, Sid82a, Smi89, Stu81b, WM81]. **evaluations** [AJ81, Lav86]. **Even** [PP80b, SW85]. **every** [Hag80]. **Evolution** [Dup82, Mik89, Vér82]. **exact** [AW89, FCM88, Rab80]. **example** [Gra83]. **Existence** [Cha84, CL83, Mah80, Cha85]. **Expansion** [Fra81b, Pie84, Won88, Wri81a, Wri81b, Eli86, SW82b, Wil81a]. **expansions** [BLL87, BL88, CM83, IL88, LM80, Mun81, Sch80b, Sta81]. **expectation** [Bue84]. **experiments** [Gar89]. **Explicit** [CD88, McC84a, McC84b, Rei86, Ste86b, Coh82, Luc83b]. **Exponential** [Isa80, Ise82, IN83, Mil85a, de 86, EGL80, Mas83, MNP84]. **exponentially** [Arn83]. **exponentiation** [McC86]. **Expressions** [Köl82, KBF87, Stu81b]. **extended** [Lew85a]. **extension** [CR83, Vau83, Vau84]. **Extensions** [Fet85, BJVZ89, Ker83, Vau85a, Zen86]. **Exterior** [Ben84a, Ben84b, Gui87, HH88a]. **extrapolation** [Cha82b, Kin80, Noc89, Sid82a, Sid88].

F

[Fet81d, Fet81c, Fet84b, KP88, Kni88, Pex81, Tem81, vK83a, vK83c, vK83d, vK83e, vK83f, vK83g, Shi87]. **Faber** [CsAS87, CS87a, Ell83]. **FAC** [MT86]. **Factor** [Gos80, Mah85]. **Factorial** [Mur82]. **Factoring** [AD88, BS89, Ger83b, Ser80, Wil82a, Bac80, Bue84, CZ81, SL84, WW87, Wun85].

Factorization [BP81, Dix81, GA81, Man80, vK85, AO83, Bac80, KLL88, Mon87, Sey87]. **Factorizations** [BMS88a, BMS88b, Cha84, DM82b, KR89, Nau83, Bri82, Cha85, Elm86, SS88]. **Factors** [GM82, Kel83b, Wil82b, te 81, Bre82a, FM85, Hag80, Hag83, Kis85, Loc81]. **false** [EP86]. **Family** [GR88, Loc89, Han82]. **Fast** [Dix81, Ger88, KSW86, EK89, For81, MT86, New85, PSS89, Tan88]. **faster** [Sty80]. **Fejér** [FR89]. **Fermat** [BP81, Bre82a, GM82, Kel83b, Leh81, Sch83c, SW81, TW89, YB88]. **Fermi** [GM85a, GM85b]. **FFTs** [Swa86]. **Fibonacci** [Ano88b, BMS88a, BMS88b, MP85]. **Field** [Wil80b, WCS80, Bru82, BW88, BW89, DW85b, Gir87, Pas84, Vau83, Vau84, Vau85b, WDS83, Wil88]. **Fields** [BP89b, Bue87a, CM87a, CL83, ET85a, EMT85, ET85b, GS89, Gra87b, GA81, IS86, KR89, LS87, LO82, Rüc87, Sch83b, Sch85c, SW88a, Was87, van82a, AD88, BW87, BP89a, BF89b, BPv89, CZ81, CW87, CS87c, Ger83a, God84a, God84b, HHR$^+$87, Let86, LQ88a, LQ88b, Mol87, Rei86, SWW83, Set80, SW88b, TW86, Wil80c, Zlá83, vK85]. **Fifteen** [BSSW87]. **Filament** [Gre86]. **filtering** [GV87]. **Filters** [ELS89]. **find** [Iga84]. **Finding** [Lar80, Wri85, Kal82, Las82a, Leo80, NS85, PT85]. **Finite** [AK81, BO89, BBP81, Ben84a, Ben84b, CN86, CT87b, DW83, Eri85a, Fri84, Gar88b, Gir88, GA81, LS87, Neu87, PP80a, PP80b, PP80c, Que81, Rüc87, Sal80, SW82a, Sch85c, Ste84b, SJI85, Wah84, Wil80b, Yse86, Zlá86, ADT81, AW82, AM89, BS88a, BD81, BR82, BR85, Bre89a, CZ81, CMSY83, CS89, CF89, DW89, Dur87, DNW88, Eri85b, Eri85c, EJ88, Fai84, Fie81, For88, GR89a, Ger83a, GT84, Gol80, Gol81, Gol82, GOT81b, Han82, HTE81, HS85, Hof85, JN80, JP82, JS87b, JSW87, Kar80, KFD83, KL85, LS85, Lus80, Mah80, MZ88, Mil85b, Mon88, Mun81, Nas87, OS86b, Pit81, PS83, PS85, RS82, San83, Sch80a, SW83, Shi87, SS86a, Sto81, Sze89, TZ89, Tre85, Wer82, Whi83, Win80a, Win81, vK85]. **finite-difference** [GOT81b, HS85, Hof85, Kar80, Tre85]. **Finite-dimensional** [Neu87]. **Finite-Element** [Yse86, OS86b]. **finite-section** [SS86a]. **finite-sheeted** [LS85]. **Finitely** [BB85b]. **First** [Bre80, Pie84, YP89, AD82, AW84, Cha82a, Egg84, Eli86, Fet81b, Gla82, Gla87, Lus80, TW89, Win81]. **first-order** [Lus80, Win81]. **Fitting** [IN83, Lar80, Yan87, SH80]. **Five** [Kat80]. **Five-diagonal** [Kat80]. **Fixed** [Alf82, LM81]. **flat** [KBF87]. **flat-ring** [KBF87]. **flow** [EO80, Fis88, Mos89, OHW85]. **flows** [CN86, Dja81, Ros83]. **following** [Spo84]. **Force** [Fet81b]. **Forecasting** [LL82]. **Form** [BCP82, CW80, HJ81, Gaá88, Kel82a, Kel82c, Kel83a, Kel83b, McC83, Tsu86]. **Forms** [FMPT84, CD87, McD89, Sey87, Ske86a, Wil87]. **formula** [BN82b, Far86, HC81, Ioa85a, Phi87]. **Formulae** [CGM86a, CGM86b, GR88, HW82, Min80a, Akr85, Boj81, GN88, Oke87]. **Formulas** [Apo85, Fet84b, FO86b, FO86a, Lav87, Mur82, Pex81, Sha81, Sha86, Ske86b, Ske86c, Tem81, vK83a, Che82, Dyn84, For88, Lon83, LP86, Mas89, Mon86, Olm86, Sch84c, Sha82a, Ske86a, Smi83, vK83b]. **formulation** [CN86, CR83, Fri84, KG82, OO84, Pas84]. **Four** [Bra83, MMM88]. **Four-Dimensional** [MMM88]. **Four-State** [Bra83]. **Fourier** [LA84, BT87, CGS89, For81, Kip84, LA82, Lun83]. **Fourth** [Eva83, Car80, Fet81e, HTE81, Kat80, Slo83, Stu81a]. **fractals** [Gar88a]. **Fraction** [Wil81b, Cha80, Jag82, Mah81, Mah85, McC83, Wil81a, WD84, WW87, Wun85]. **Fractional** [GfZ88, Isa80, Lub85, Mon81]. **Fractions** [Dud87, PW85, Gau83, TW83]. **framework** [CS89]. **Fredholm** [BT87, HS81]. **Free** [Bea86b, Bea86a, LV89, MNSS89, NV88, Sto81]. **Frequency** [IN83]. **Fresnel** [Hea86, Hea85]. **Fricke** [Coh88]. **Friedman** [Fet81c]. **Friedrichs** [Tad84a]. **friendly** [Sid88]. **Frobenius** [Toi81, Yam86a, Yam86b]. **full** [OHW85]. **Fully** [Bal84a, BDK82, Bal84b, DK85]. **Function** [Alf82, Bau86a, Boy80b, Bra83, BI86, CT87b, EKS88, Fet85, Fra81b, IS86, IN83, Laf84, Mac80, Mil85a, SW81, WH83, Wri81a, Wri81b, Apo85, AJ81, Bau86b, BBG87, BF88, BvtW82, CN86, Cha80, CM83, CS80b, CS82, CS83b, Eli86, FW80, Fra81a, FW84, Ker83, Las82b, Leh88a, LW82, Loc81, Lun83, Lun80, LM80, Mah85, MNP84, Odl87, Oku83, Per85, Per87, Tem86, TW80, VL80, Wri84, te 86c, te 86d, vt83, vtW86]. **functional**

[LM80, Wol83, de 87]. **functional-differential** [de 87]. **Functionals** [Mee80]. **Functions** [Ben83, CW83, För87, GM85b, JA82, KCL82, KE84, Lac84, Lar80, Lin86, Pie84, Que81, Ray88a, Xu89, ATZ83, BLL87, BB82, Bla82, BBG87, Boy81, Boy82b, BS84, Cha82a, CH84, DiD82, DS80b, FM86, Fet81d, Fet84b, Fri84, GL82, GM85a, GN88, GR81, Hab83, IL88, Kip84, LV89, Lev82a, Lew85b, Lew87, Lon83, LS86, Mas83, Mon86, MP87, New84, Pex81, Ray88b, SW85, Sch80b, Smi83, Smi89, Tem81, TL85, VB81a, Vrs86, WBR82, vK83a, vK83c, vK83d, vK83e, vK83b]. **Fundamental** [GGT87, PZ82, PWZ82, BF89a, Buc87, CS87c, Ril83, Zlá86]. **Further** [Fet85, Ioa83, Laf84, TW80]. **fusion** [Gar89].

G [Dav82, Fet81d, Had82, Kel82c, KP88, Stu81a, Wil88, vK83c, vK83d, vK83e, vK83f, vK83g]. **Galerkin** [AD82, Arn83, AB87a, AB87b, BO89, BD80, BDK82, BDK83, CS89, DHT81, DK85, Egg89, ET84, EN87, Gev84, Gra82, Ioa83, JP86, Kee89, KG85a, KG85b, Las86, Lay81, Lun86, McL86, Nak84, Ric88, Sar87, SS89, Tho81, Tho80]. **Galerkin/Runge** [Kee89]. **Gallas** [Car80]. **Galois** [Mal88]. **Gamma** [BI86, Laf84, Cha80, FW80, Fra81a, FW84, Ker83, Wri84]. **Gap** [Wei81]. **Gaps** [Bre80, YP89]. **Gas** [Le 81a, HH88a]. **Gauss** [Rab85, Rab88b, Bra84, CGM86a, CGM86b, GN88, GR88, KE84, Rab80, Rab83, Rab86a, Rab86b]. **Gaussian** [Gra87a, Akr85, Che82, Dyn84, GM85a, GM85b, GW85a, GW85b, Ioa85b, Leh88b, LR84, Ske80, VL80]. **Gautschi** [Ker83]. **General** [Min80a, WF82, Auz87, Cyb83, Fri84, McC83, Olm86, SSP85, Tap88, CS89]. **generalization** [FHS86]. **Generalized** [BSC$^+$80, Ger88, HP84, HTN83, Has86, Kea87, Lin82, Loc89, Mil85a, PdW86, DM82a, Eli86, ER80, Ioa85a, Lav86, LC88, MP85, Rab80, SJI85, Van82b]. **Generated** [LS81, EHGL89, Ger83c, Nie89]. **Generating** [Mar80a, te 84, FW84, Leo80, Wri84]. **Generation** [For88, Mon85a, Spo84, PSS89, WT82, WW87]. **generator** [ELT88]. **Generators** [Tez88, EHGL89]. **genuinely** [Tad84a]. **geodesics** [LS85]. **Geometric** [Mar82b, Jia87, dD85]. **German** [Fet84b]. **GFSR** [Tez88]. **give** [dS81b]. **Given** [te 84, BS88b, JE82, JS87a, Leo80, Zag82]. **Glance** [GLS87]. **Global** [DR85, Far86]. **globally** [PT85]. **Goldberg** [NT87]. **Goldstine** [Sal81]. **Golomb** [Kel82b]. **Goodness** [Mae86]. **Governing** [CL83]. **Government** [Lon83]. **GPST** [LC88]. **Graded** [Gar88c, Bru85]. **Graded-mesh** [Gar88c]. **Gradient** [SS85]. **Gradient-like** [SS85]. **Gradshteın** [Fet82a, Kru83, Sol86, vK82]. **Gradshteyn** [Fet81e, vK82]. **Gradsteın** [Car80, Fet81e, Fet82b]. **graphs** [DF81, Lon83, SS88, Smi83, vK83b]. **Greatest** [KR89]. **greedy** [Ger83c]. **Grid** [Bea86b, DW83, Sch84a, Sch84b, Bea86a, Hac80, HS81, MT86, Olm86]. **Grid-Free** [Bea86b, Bea86a]. **Grids** [KMS$^+$86, For88, OS83]. **Group** [Dar86, Lan81, BR88, DW85b, Gra83, Leo80, LQ88a, MNR89, Wil88]. **Groups** [Bue87a, BC82a, CM87a, Jam80, Mal88, Que81, Rus89, Sch83b, Yam86b, BPv89, BC82b, MP87, SS88, Yam86a]. **Gunderson** [SW81].

H [Bla82, Bri82, Kel82c, Sal81, Tza86]. **H.** [Sha82b]. **half** [Egg89, Gau94, SS86a]. **half-century** [Gau94]. **half-line** [Egg89, SS86a]. **Hall** [vK86]. **Halley** [Cuy82]. **Halley-iteration** [Cuy82]. **Hamilton** [CL84b]. **Hammerstein** [KS87, Kum88]. **Hand** [Saa87]. **Handbook** [Fet81c, Lon83, Smi83, vK83b]. **Hankel** [CS82, CS83b, FW85]. **Hansen** [vK86]. **Harmonic** [Ben84a, Ben84b, FP84a, CH84, FM86]. **Haselgrove** [SM82]. **Hausdorff** [Gar88a]. **Having** [Boy80a, Boy89a, Boy89b, McD89]. **Heat** [McI86a, McI86b, AM89]. **Hecke** [CD87, GGT87]. **height** [TZ87]. **Heights** [Sil88]. **helical** [Gar89]. **Hellan** [Com89]. **Helmholtz** [Gol82]. **Henrici** [Tha81]. **Hensel** [von84]. **Hermite** [Boy80b, DEH89, Dyn84, SSO83]. **Herrmann** [Com89]. **Hessian** [GT84]. **Hessians** [Sha80]. **Heuristics** [CM87a, Was86]. **High** [Eri85b, FW80, Fra81a, Gar87a, GR89b, Har86, Vil88, BM80, DK85, Gar87b, LR80, Sch80b, Shu87b, dS81b]. **High-Order** [Gar87a, Eri85b, Vil88, DK85, Gar87b, LR80, Shu87b, dS81b]. **High-precision** [FW80, Fra81a, BM80]. **Higher** [BM82b, BS80, Fet81d, Sch84a, Sch84b, vK83c, vK83d, vK83e, Apo85, BDK82, CN88, Vrs86].

higher-order [CN88]. **highly** [Fat80, Sch83a]. **Hilbert** [Coh82, Ger88, Vér82]. **Hill** [Fet81d, KP88, vK83c, vK83d, vK83e, vK83f, vK83g]. **history** [Sal81]. **homotopy** [Zul88]. **Howell** [Spo84]. **Howland** [Lin82, LW82, Lin86]. **Howland-Type** [Lin86]. **HP** [Tha81]. **HP-25** [Tha81]. **Hybrid** [DD86a, DD86b, LL83b, MORR81, DL88b]. **Hybrid-Combined** [LL83b]. **Hydrocode** [Hic81]. **Hyperbolic** [Bal84a, BD89b, BLM89, KG85b, Mic87, PdW86, AD82, BD80, Bal84b, BDS85, BD89a, Dut89, FG88, Gev84, GT81, GT85, GT87, HTE81, JS85, JP86, JS87b, KG85a, Lay81, LO83, LeV86, Luc86a, Lus80, OS82, Slo83, Spe87, Tad83, Ven86, Vil88, Wer86b, Win81]. **Hyperelliptic** [Can87, LCC88, LCC89]. **Hypergeometric** [JA82, Lav86, Lew85b, Lew87, LCC88, LCC89]. **Hyperperfect** [Hag81, Min80b, te 81].

ideal [BW87, BW88]. **identification** [Fal83, Ric81]. **Identities** [BBG88, BBG87]. **II** [God84a, te 86c, AW84, BM82b, Ben83, Boy84, Boy89a, Boy89b, BPS87, BvtW82, Bue87a, BC82b, Cas83b, CS89, DM83, Eld82b, Fet81d, God84b, GT81, GT87, Kis83, PWZ82, Ray88b, Smy81, VB81b, Yam86a, Yam86b, de 86, vK83d, vK83g]. **III** [te 86d, BPS88, PP80a, VB81c, vK83e, vt83]. **Ill** [Gfr87b, EN85, Gfr87a, Mar80b, Neu87]. **Ill-Posed** [Gfr87b, EN85, Gfr87a, Mar80b, Neu87]. **illustrations** [dS81a]. **imaginary** [CW87, HHR$^+$87, Set80]. **Immanant** [GM84]. **Implement** [NOPEJ87]. **Implementation** [CL87a, CL87b, For81, NV88, Ril83]. **Implementing** [Wun85]. **Implicit** [Bru84, DW83, JT81, Sha81, HTE81, Hof85, Sha82a, Swa80]. **Implies** [Ske80]. **imposing** [FG88]. **improperly** [Han82]. **Improved** [Eri85c, FP85, Hei89, EN85, McC86]. **improvements** [Luc83a]. **Improving** [Pen81, Wil80c]. **inaccurate** [DM82a]. **including** [FP85]. **Incomplete** [BPST89, LCC89, Man80, RW84, Elm86, Mah85]. **Incompressible** [Gir88, JS86]. **Increased** [Wer84b]. **Indefinite** [Kea83, Wer86a, BPX88, BP88b, BP88c, Dav82, DiD82]. **independence** [DM83]. **Independent** [BP89b, LL82, BP89a, GT81]. **Index** [AMS84, Sto81]. **Inductive** [Min80a]. **Inequalities** [BI86, Dud87, JA82, Laf84, Mey84, Ker83, Mit83a, Net80]. **Inequality** [Tro80, Tro85, Tro89]. **Inexact** [Alf82]. **Infinite** [AB80, BBG88, Mar82a, PSS89, Bru89, Lev80, Mat87, Sch86, Sid82a, Sid82b, Sid88, Slo81, SSO83, SN83]. **inflow** [Tad83]. **inflow-dependent** [Tad83]. **Influence** [Wah84]. **infrastructure** [BW88]. **inhomogeneous** [Gaá88]. **Initial** [AV85b, Cas83a, Cas83b, Mic87, Win80b, Alf80, Ana87, AV85a, CT87c, CTW89, Dut89, GT81, GT85, GT87, HV89, JLTW87, Mic83, Par80, Spi85, Win81, dW85a]. **initial-boundary** [Dut89, GT81, GT85, GT87, HV89, Mic83, Win81]. **initial-value** [Par80]. **Insensitive** [Sha81, Sha82a]. **instability** [Tad83]. **Integer** [Boy85a, Boy85b, BM82c, BT83, Bue87b, HJ81, LM81, Lun88, Nau83, Col82, Jag82, WD84]. **Integers** [Dix81, GW85a, LMv86, Smy84, Ste88, Col82, Ger83c, GW85b, Gra87a, Smy81, Wil87, Wró84]. **Integral** [AB87b, Fet85, GS89, Kea83, Köl83a, Köl83b, McI86a, McI86b, NV82, PP85b, SS86a, Tho81, Zag87, Arn83, AB87a, BB82, BJVZ89, BT87, BS88b, BHN82, Bru85, CG88, CS87b, CES88, Egg84, Egg89, EN85, Fet81b, FP84b, Gla82, Gla87, Gra82, HS81, Ioa83, JS81, JN80, JM85, KP88, KS87, Lub83, Lub85, Lun83, McL86, Net80, PP85a, Sch81, Slo81, Tem86, Ven86, Zag88, vK83f, vK83g, vt85a, vt85b]. **Integrals** [Car87a, Car87b, Car88a, Car88b, Car89, Fet80, Fet84a, Gat80, Gla83, Hea85, KCL82, Lev82b, Lev83, Lin82, Lin86, BLL87, Car80, CM87b, DiD82, Fet81a, Fet81c, Fet81e, Fet82b, Fet82a, Hea86, HC81, Ioa85a, Ioa85b, IL88, Kru83, Las82b, LA82, LA84, Lev80, Lev82a, LW82, LCC88, LCC89, Mas83, Mas89, Mei85, Oke87, Oku83, Rab83, Rab85, Rab88b, Rab88a, RL89, Sid80b, Sid82a, Sid82b, Sid88, Sol86, TL81, WM81, vK82, Dav82]. **integrand** [LM80]. **integrands** [LR84, Rab86b, TL81, VL80]. **Integrating** [Cor80, Hab83]. **Integration** [Cas83a, Cas83b, CG88, CR82, Gla82, JP82, LS86, Mon86, Rab80, Rab83, Rab85, Rab86a, Rab86b, Rab88b, RL89, Sch81, SSO83, SM82, TL85, Che83].

integration-collocation [CG88]. **integrators** [Fat80]. **Integro** [Mil85a, Bru84, Bru89, Cha82b, Mak80, Mak81, TZ89, vt85a, vt85b]. **integro-differential** [Bru84, Bru89, Cha82b, Mak80, Mak81, TZ89, vt85a, vt85b]. **Integro-Exponential** [Mil85a]. **interesting** [Sha82b]. **Interfaces** [Ber85, Tre85]. **interior** [LS86]. **Intermediate** [LeV86]. **internally** [DM82a]. **interpolates** [Olm86]. **Interpolating** [HW84, Luc83a, Nie83]. **Interpolation** [CJW87, CDR88, Cos86, DL88a, Fra82, Loc81, Mar82b, Met86, SW86a, Wer84a, DEH89, EK89, Far86, FR89, HTN83, Has86, SW82b, WZ88, dD85]. **interpolatory** [CM87b]. **intersections** [LS85]. **interval** [Mon86]. **Intervals** [Mar82a, MS84, LS86, MR83a, Mat87, Ral83, Sch86, Slo81, SSO83]. **Invariant** [van88, Bru82, EM87, GR89a, Gir87]. **Invariants** [CL83]. **Inverse** [MZ88, II89, LC88]. **Inverse-average-type** [MZ88]. **Inverses** [DMS84]. **inversion** [ALS89, LG86]. **inversions** [Nie89]. **invertible** [Fie81]. **investigation** [BBG86, Wil81a]. **involutions** [WWL81]. **Involving** [GM85b, Lin86, Bai88b, BB82, Cos82, GM85a, Kat80, LW82, Net80, VL80]. **irrationalities** [WD84]. **irrationality** [Eas86]. **Irreducibility** [AO83, Bri80]. **Irreducible** [Dar86, PP80a, PP80b, PP80c, BBG82, Mar81, SW86b]. **Irregular** [Ger83c, KMS$^+$86, Lev82a]. **irregularities** [Hud85]. **isolated** [Zul88]. **Isomorphisms** [Poh87]. **isoparametric** [Fie81]. **Isotropic** [DMG89a]. **Issues** [Min80b]. **Iterated** [Gfr87b, Gfr87a]. **Iteration** [Alf82, BB89, Pap83, BBG82, Vrs86, Cuy82]. **Iterations** [Hug86, BPST89, Hac80, HH88b]. **Iterative** [GK89, Ske80, BR82, BPS86b, EL89, Iga84, Mar80c, Mar81, Mie80, Mon88]. **IV** [BPS89, PP80b, vtW86]. **Iwasawa** [EM87].

J [Bac80, Bla82, Bri82, Che83, Fai84, Fet81b, Fet82a, Kel83a, Mei85, te 86c, te 86d]. **Jacobi** [BG84, CL84a, CL84b, Fer80, GN88, HJ81, KCL82, KE84, Lew85a, Lew86, Loc89]. **Jacobian** [Can87, DM82a, Fra81b, GT84, Kip84, Wri81a, Wri81b]. **Janeiro** [II89]. **Jbuch** [Stu81a]. **Johnson** [Bla82, Com89]. **Julia** [Vrs86]. **June** [GW84].

Keast [Fai84]. **kernel** [Mak81]. **Kind** [Car87a, Car87b, Car88a, Car88b, BJVZ89, BHN82, Egg84, Fet81b, Gla82, Gla87, Gra82, HS81, JM85, Lub83, Lub85, Oke87, Slo81, Spe86]. **Kirkman** [MPR81]. **Kleinian** [Gra83]. **Knot** [Mar82b]. **knots** [MNSS89, dS81b]. **Kolmogorov** [Puc89]. **Korteweg** [AW82, BDK83, DK85, Win80a]. **Kronrod** [Rab85, Rab88b, CGM86a, CGM86b, GN88, GR88, Rab80, Rab83, Rab86a]. **Krylov** [Saa81]. **Kutta** [BJVZ89, BHN82, Bru84, Cas83a, Cas83b, CS89, CS83a, DM82a, Kar86, Kee89, Lub83, Pia81, Sha86, Zen86, dW85a].

L [Ano88b, Bri82, GW84, Kni88]. **Lab** [Fet81b]. **lag** [Ana87]. **Lagrange** [Bra81, Pit80, Pit81, Wer84a]. **Lánczos** [ER80, PSS82, PTL85, Saa87, Sim84, Van82b]. **Laplace** [Kni88, ALS89, LG86]. **Large** [Bor81, Bre80, CW80, Ger83b, Har86, Kre86, Maj86b, Saa81, SW88a, Wei81, Zag87, Zag88, Dub89, ER80, Gal83, Gar89, Kel82c, Kel83b, Maj86a, PSS89, SWW83, Tad84a, Toi86, Wró84]. **large-time** [Tad84a]. **Largest** [PSS82, DL81, LS83]. **Larkin** [NS85]. **Last** [Sch83c, SW81, TW89]. **lattice** [FP85, LS89, SL89]. **Lattices** [PH84, PP85b, PP85a]. **law** [JS87b, Sze89]. **Laws** [Isa80, CS89, CM80, EO81, GL85, HTE81, Luc86a, Luc86b, OS82, OS83, OT88, San88, Shu87a, Shu87b, Spe87, Tad87, Vil88]. **Lax** [Tad84a]. **layer** [BSC$^+$80]. **Leading** [Gfr87b, Gfr87a]. **Least** [AKS85, LS81, MW86c, Mil87, BL88, EGL80, Hag80, Hag83, Mit83b, Ste84a]. **least-change** [Ste84a]. **least-squares** [Mit83b]. **Lebesgue** [SW82b]. **Legendre** [Bau86a, Bau86b, DiD82, Fet85, Lac84]. **Lehmer** [Bri82, Shi19, LMO85, Rot82, Shi86, Spo84]. **lemma** [Mei85]. **Length** [CT86, EHGL89, FP85, Wil81a]. **Lenstra** [Was86]. **Less** [PP80c, GO82, KSW86]. **Level** [Yse86, AG83]. **Levine** [Sal84]. **Lie** [MP87]. **lifting** [Dja81]. **like** [Kel86, Leh88a, SS85, Vrs86, Ypm83]. **limit** [Boy84, TW83]. **Limited** [Noc80]. **line** [Egg89, SS86a]. **Linear** [DW83, Gek82, Kin83, Le 81b, Man80, Mee80, Olv88, Saa81, SS85, de 87, vt85a, vt85b, Ada87, AW89, BL88, Cas80, CT87a,

CR82, CR83, DM83, Dic80, EN85, EJ88, Fai84, GV87, Hal86, KFD83, Kin80, Lub85, Mar80c, Mon81, Neu87, NV88, Rab88a, RS82, RHD81, SL84, Ste86b, Tan88, WZ88, Wei84b, Zlá83, AW84]. **linearly** [Hof85]. **Liouville** [Gar84, Nas87, Pai82]. **Lobatto** [Rab86b]. **Local** [Pit80, Sar87, Wah84, Ypm83, dS81b, CS89, Eri85b]. **locally** [OS83]. **Logarithmic** [FM86, CS80b, CS83b, Sid80b]. **London** [Sal80]. **Long** [Löh89, PW85, Pri85, MR83a]. **look** [PTL85]. **look-ahead** [PTL85]. **low** [CTW89]. **Lower** [BN82a, BC89a, BC89b, EKS88, Par83, Wer84b, Let86]. **Lowest** [DL81]. **Lucas** [BW80, BMS88a, BMS88b, EKS88]. **Luke** [GW84]. **Lune** [te 86c, te 86d].

M [Bac80, Car80, Fet81c, Fet81e, Fet82b, Fet82a, Gra87a, Kel83a, Kru83, Sol86, vK82, Shi87]. **Machines** [Bra83, Wun85]. **Macmillan** [Sal80]. **magnetic** [Gar89, Zlá83]. **magnetization** [FP84b]. **magnetohydrodynamic** [JE82]. **magnetostatic** [Fri84, Pas84]. **Magnus** [Fet81d, Fet84b, KP88, Pex81, Tem81, vK83a, vK83c, vK83d, vK83e, vK83f, vK83g]. **Mahler** [Dea85]. **Majorizing** [Mie80]. **Mandelbrot** [Vrs86]. **Mandelbrot-like** [Vrs86]. **manifolds** [Rhe84]. **manipulation** [CD87]. **Many** [BB85b, WZ88]. **mapping** [Rei85]. **mappings** [GR89a]. **Markoff** [Zag82]. **Marti** [EN85]. **Mass** [Ano88b]. **Mat** [II89]. **Math** [AD88, Bac80, BCW82, Bla82, Bri82, Cha85, Fai84, Fet82b, Fet82a, Fra81a, Gra87a, GS80, Had82, Has86, Hea86, HH88b, Jae85, Kel82a, Kel82b, Kel82c, Kel83a, Kro80, LA84, Lew87, Mei85, Mor90, Per87, Phi87, Rab85, Rab88b, Sha82b, Ske86a, Vau84, Wil88, Zag88, te 86c, te 86d]. **mathematical** [Fet84b, Lon83, Pex81, Smi83, Tem81, vK83a, vK83b]. **Mathematics** [AMS84, Gau94, Gau94]. **Mathieu** [BR88]. **Matrices** [BP88a, Bun82, DMS84, Ger88, KE84, Noc80, Pap83, Ser80, BG84, Dic80, Fer80, Gal83, Ger83a, GT84, JS87a, Kal82, Mar81, PTL85]. **Matrix** [BC82a, DM82b, Hig86b, Bul80, BBG82, BC82b, EHGL89, EL89, Mar80c]. **Maximal** [Boy85a, Boy85b, PP80a, PP80b, PP80c, MNR89]. **Maximum** [Can88, WH83, DNW88, Sch80a]. **Maxwell** [Ben84a, Ben84b]. **May** [GW84]. **McClure** [Mei85]. **McGraw** [Fet81d, KP88, vK83c, vK83d, vK83e, vK83f, vK83g]. **McGraw-Hill** [Fet81d, KP88, vK83c, vK83d, vK83e, vK83f, vK83g]. **Mean** [BB89, FP84a, Mee80, Mey84, Smy84]. **Measure** [Boy80a, Boy89a, Boy89b, Smy81, Ziv82]. **measures** [Eas86]. **Media** [DR83, Ros83]. **medium** [Hof85]. **Meissel** [Shi19, LMO85, Shi86]. **Mellin** [FMPT84]. **memoriam** [GW84]. **Mersenne** [NN80, Wag83]. **Mesh** [BOP80, Ber85, Dup82, Mar82b, McC81a, Eri85b, Eri85c, Gar88c, Gol81, Jia87, Luc86a]. **mesh-refinement** [Eri85b]. **mesh-refinements** [Eri85c]. **Meshes** [MW86b, Bru85, Loc81, MW86a]. **Method** [Adl83, AB87b, BBP81, Bea86b, Ben84a, Ben84b, Bra84, BP89b, DMG89a, DMG89b, Gre86, Hig86b, LMO85, LL83b, McC81a, MT80, Pit80, Saa87, Tro80, VB81c, Wil82a, WF82, Alf80, AD82, AW82, Arn83, AB87a, AH81, BS88a, Bac80, BR82, Bea86a, BSC81, BHK84, BT87, BS88b, BG84, Bra81, BPS86b, Bre89a, BP89a, Bue84, CT87a, CN88, CS89, Com89, Cot87, CR83, Dja81, DW89, Dub89, EN85, ER80, Eri85b, Eri85c, EN87, EJ88, EM87, FO82, FG88, GL82, GR81, Gol80, Gol81, Gol82, Had82, Han82, HV89, Ioa83, JP86, JS87b, Kal82, KL85, Kin80, KS87, Kum88, Luc86a, Lun86, Lun80, Lus80, LR80, LG86, Mak80, Mak81, Mar80c, Mar81, MT86, McL86, Mei85, Mon88, Nak84, NS85, Nie83, Noc89, OS86b, OO84, PT85]. **method** [Pen81, Pit81, PS85, Por85, Puc89, Ric88, Rob89, Sch80a, SW83, Shi86, Shi19, Sid88, SS89, Sty80, SM82, Sze89, VB81a, VB81b, WT82, Wei84a, Wei86, WDS83, Win80a, Win81, WM81, Zul88]. **Methods** [AW83, AKS85, BOP80, BD89b, BLM89, BM82a, BS80, Bre82b, CGS89, Can88, Cas83a, Cas83b, Che83, Del89, DD86a, DD86b, DW83, DR83, Fra82, Gek82, Gir88, GK89, Got81a, Hei89, IN87, LS81, MORR81, Pas80, Pia81, Saa81, SS84, Sch84a, Sch84b, Ste84b, Tho81, Win80b, Yse86, Ana87, ALS89, AG83, BDS85, BD89a, BM82b, BJVZ89, BT87, BPST89, BK89, Bru84, Bru89, CG88, Cha82b, CGT88, CS80a, CS83a, CS87b, CES88, CR82, DHT81, DK85, DR85, Dut89, Egg84, Egg89, ET84, Eri85a, Fai84, FP85, Gla82, Gla87, GOT81b, Gra82, HK87, HS81, Iga84, Ise81, JN80,

JP82, JS86, JSW87, Kar86, Kat80, KFD83, KG82, Lay81, LO83, LeV86, Lub85, MR83a, Mie80, Mil85b, Mon87, Par80, PS83, Ros83, SSP85, SW85]. **methods** [Sar87, Sch85a, Sch86, Sha80, Slo81, Spi85, ST87, Tho80, TZ89, Tsu86, Wer80, Wer82, Wol83, Ypm83, Zen86, dS81b, de 87, vt85a, vt85b, von84]. **metric** [Bru82, Sha80]. **Microfiche** [BSSW87, NT87]. **Milne** [Sal80]. **Milne-Thomson** [Sal80]. **Mindlin** [BF86, Pie88]. **Minimal** [Gau81, Ana87, Las82a, Tsu86]. **minimization** [CGT88, Kiw85]. **Minimum** [PP85b, BC86, Lue89, Mar80b, Nie83, PP85a]. **minimum-norm** [Mar80b]. **Miscible** [DR83]. **Misstatements** [Sal80]. **Mixed** [BOP80, MORR81, Mil85b, Ste84b, de 86, BP88b, BP88c, DR85, JP82, PS83]. **Model** [DR83, Gar88b]. **models** [Tre85]. **modern** [Stu81a]. **modes** [DLR81]. **modest** [Gra83]. **Modification** [Dup82, LG86]. **Modified** [Wol83, BG84, Kro80, Las82b, SS86a, Tem86, TW80, Whi83]. **Modular** [CD88, Coh88, Mon85b, Que81, Coh82, CD87, LS85]. **Modulus** [Boy85a, Boy85b, CS80b, CS83b, ELT88, Fet81b]. **moment** [FW84, Wri84]. **moments** [FW84]. **Monotone** [Cos86, CM80, GR89b, BBG82, Egg89, Luc86b, San83, Spe87]. **monotonicity** [DEH89]. **monotonicity-** [DEH89]. **Monte** [Bue84, SL84]. **Mordell** [Ste86a]. **Morrison** [Bac80]. **Moving** [LS81, Luc86a]. **MR** [AD88, Ano88b, Bac80, Bla82, Bri82, Car80, Cha85, Che83, Dav82, Fai84, Fet81d, Fet81c, Fet81e, Fet81b, Fet82b, Fet82a, Fet84b, Fra81a, Gra87a, GS80, Had82, Has86, Hea86, HH88b, II89, Jae85, Kel82a, Kel82b, Kel82c, Kel83a, KP88, Kni88, Kro80, Kru83, LA84, Lew87, Lon83, Mei85, Per87, Pex81, Phi87, Rab85, Rab88b, Sal81, Sal84, SL85, Sha82b, Ske86a, Smi83, Sol86, Tem81, Vau84, Wil88, Zag88, te 86c, te 86d, vK82, vK83a, vK83c, vK83d, vK83e, vK83b, vK83f, vK83g]. **Multi** [Sch84a, Sch84b, Yse86, Hac80]. **Multi-Grid** [Sch84a, Sch84b, Hac80]. **Multi-Level** [Yse86]. **multidimensional** [Hig86a, JR82, Mic83, Noc89]. **Multigrid** [Bra84, BP87, MR83b, Spe87, Auz87, AG83, BPX88, Bre89a, PS85]. **multilag** [Wol83]. **multilevel** [BR82]. **multilinear** [WZ88]. **Multiple** [Gor87, HS81, Sil87, IL88, Jia87, LCC88, Mei85, SL89, Smi89, WM81]. **multiple-precision** [Smi89]. **Multiplication** [Ger88, Mon85b, McC86]. **Multiplications** [New86]. **multiplier** [Bra81]. **Multipliers** [Pit80, Pit81]. **Multistep** [DD86a, DD86b, Gek82, LN89, Maj86b, Ske86b, Ske86c, BPST89, KG82, Lub85, Maj86a, Ske86a, de 87, vt85a, vt85b]. **Multivariate** [CW83, CJW87, CDR88, AD88, DM83, Gra88, Olm86, vK85].

N [Sal84, Stu81a]. **N.J** [vK86]. **Nagell** [PdW86]. **Nat** [Smi83]. **Natural** [BJVZ89, Zen86]. **Navier** [BDK82, BM81, FT84, Gev89, Gir88, JS86]. **near** [Mon86]. **nearest** [Jag82, WD84]. **Nearly** [Löh89, Ste86b]. **Negative** [Tho80, Gev84, Sey87]. **neighborhood** [Boy84]. **Neighborhoods** [Mos86]. **Néron** [TZ87]. **Nested** [Ana80]. **network** [Nie83]. **Neumann** [CT87a]. **Newton** [FR89, Hig86b, Luc83b, MT80, Noc80, ST87, Toi81, Wer84a, Ypm83, von84]. **Newton-like** [Ypm83]. **Nine** [PP80a]. **Ninomiya** [Has86]. **No** [Fet81b, AD88, BCW82, Bla82, Cha85, Fai84, Fet82b, Fra81a, Gra87a, Has86, Hea86, HH88b, Jae85, Kel82a, Kel82b, Kel82c, Kel83a, Kro80, LA84, Lew87, Mei85, Mor90, Per87, Phi87, Rab85, Rab88b, Sha82b, Ske86a, Vau84, Wil88, Zag88, te 86c, te 86d]. **nodal** [FT84]. **nodes** [Boj81]. **noisy** [GV87]. **nonaveraging** [Wró84]. **noncompact** [CG88]. **Noncomputable** [Bra83]. **Nonconforming** [CF89, Bre89a, Shi87]. **nondiagonally** [Toi81]. **nonexpansive** [San88]. **Noninteger** [Ste88]. **Noninterpolatory** [RL89]. **noniterative** [WT82]. **Nonlinear** [AJS83, BD89b, BE88b, DD86a, DD86b, ELS89, Kel86, Min80b, SS84, SH80, BD89a, BR82, BE88a, Bru89, Cuy82, DL88b, DRS85, ELT88, EO81, HK87, HS85, JS87b, LP86, Mak80, Mik89, OS83, Por85, San88, Sch84c, Sid80b, SF82, Tad84a, Toi86, Vér82, Vil88, Zlá83]. **nonlocal** [Luc86b]. **nonnegative** [BBG82]. **Nonnegativity** [DEH89]. **Nonnegativity-** [DEH89]. **Nonoscillatory** [CGS89]. **nonrandomness** [KLL88]. **Nonselfadjoint** [HT81]. **nonsmooth** [BPST89, CT87c, JLTW87, Kiw85]. **Nonstandard**

[Gir88]. **Nonstiff** [Cas83a, HTE81]. **Nonsymmetric** [Pap83, Saa84, SS85, BPX88, EN87]. **nontrivial** [Rei86]. **Nonuniform** [MW86b, Gol81, MW86a]. **nonzero** [Col82]. **Norm** [Par83, Akr85, DNW88, EL89, Gaá88, Lue89, Mar80b, Nie83, Tho80, Toi81]. **Normal** [BC82a, LS87, DLR81]. **Norms** [BOP80, Dur87, Gev84, SH80]. **Note** [Bri80, Bun82, HW84, Mar81, Rüc87, Wri81b, Bro84a, Cas80, Cas85, FW85, SB84, SN83, SM82, TW86, WZ88, Wri84]. **Nothing** [New86]. **Number** [BP81, BP89b, CM87a, CT86, Gor89, Hei89, HW82, KR89, Mon85a, SW88a, Tez88, YB88, van82a, AD88, Bru82, BW88, BW89, BP89a, CW87, Col82, CT89, DW85b, DF81, ELT88, EP86, Ger83a, Hag80, Hag83, Let86, McC84b, Rei86, SWW83, Set80, SW88b, TW86, Vau85b, WDS83, Wil88, Zag82]. **Number-Theoretic** [CT86, CT89]. **Numbers** [Bor81, BH86, BC89a, BC89b, BSSW87, Ger83b, GM82, Hag81, IS86, Kis83, Kis84, Min80b, TW87, Wag83, Was87, te 81, AW89, BB88, Boy84, Bre82a, Bue84, Coh84, Dub89, Eas86, HP84, HHR$^+$87, KLL88, Kel83b, Kis81, Kis85, KSW86, MP85, McD89, Mol87, Nie89, SW88c, Wag80, Zag82]. **Numerical** [AB80, Ana80, Bai88b, BF89a, Ben84a, Ben84b, BF86, Cas83a, Cas83b, Cha87, CM87a, Cuy82, Dem88, DR83, Fat80, FO82, Hig87, IIMPL81, II89, Le 81a, Le 81b, LO83, LP86, Lue89, MW86b, MZM89, Mis84, NT87, OO84, OS83, Ric81, Ros83, SS84, SB89, Sid80b, Sid82b, Ske80, SF82, Tad84b, Toi86, ATZ83, AJ81, BHK84, BT87, BS88b, Bör89, Bro84a, BK89, Bru85, Cha82b, Che83, CT87a, CS80a, CR82, DF83, Ell83, ER80, Fal83, Gal83, Gla87, HK87, Ioa83, Luc86a, LG86, MW86a, Mos89, Pie88, Sal81, Sch83a, Shu87a, Sid82a, Spi85, SM82, Tad87, Wei86, Wil81a, Zlá83, dS81a]. **Nyström** [BT87, BS88b].

O.D.E. [dS81b]. **Oberhettinger** [Fet81d, Fet84b, KP88, Kni88, Pex81, Tem81, vK83a, vK83c, vK83d, vK83e, vK83f, vK83g]. **Obrechkoff** [Ana87]. **obtained** [BC86]. **obtaining** [Spe86]. **Occurrence** [Bre80, YP89]. **OCI** [BSC$^+$80]. **Odd** [BN82a, BC89a, BC89b, Jam80, Kis83, Kis84, Kis85, BB88, Hag80, Hag83, Kis81]. **ODE** [Sha81, Sha82a]. **ODEs** [Cor80]. **off** [Ziv82]. **Office** [Lon83]. **Ohio** [Fet81b]. **Ojo** [Fet82a]. **old** [Pri85]. **Olver** [Cas80]. **One** [DD86a, DD86b, EO81, KE84, BS88b, Boy81, BW88, CW87, ET84, EN87, FM85, God84a, God84b, Hal82, Hof85, Kin80, Lev82a, Loc81, OS86b, SW83, SS88, Spi85, SW88b, TW86, TH86, Wer80]. **one-** [Lev82a]. **one-dimensional** [BS88b, Hal82, Hof85, OS86b]. **one-factorizations** [SS88]. **one-point** [Kin80]. **One-sided** [EO81]. **One-Step** [DD86a, DD86b, Spi85, Wer80]. **one-way** [TH86]. **onto** [CT87b]. **open** [CES88, WWL81]. **Operations** [Min80a]. **Operator** [Par83, CG88, Fis88, FP84b, GV87, JE82, Neu87]. **Operators** [GGT87, DLR81, IIMPL81]. **Optimal** [AJ81, Gfr87b, GT84, MS84, MT80, Tez88, TL85, Wer82, BD81, Boj81, Bre89a, Bru84, CN86, Dur87, Eri85a, Gfr87a, Gla82, Gla87, Ral83, RS82, Ric88, Ste86b, VB81a]. **optimal-order** [Bre89a, Ric88]. **Optimality** [SW82a]. **optimization** [Luc83b, ST87, Tap88]. **Optimum** [AH81, Had82]. **orbit** [Gra83]. **Order** [Bal84a, BD89b, BS80, BSSW87, Gar87a, GR89b, Jam80, KG85b, MW86b, Rus89, Sch84a, Sch84b, Swa89b, Ada87, AD82, AW84, BD80, BDK82, Bal84b, BDS85, BD89a, BD81, BM82b, Bre89a, Bru84, Cas80, CN88, CS82, DK85, DR85, DL81, Eri85a, Eri85b, Fai84, GL82, Gar87b, Gev84, Gui87, HTE81, Kar80, Kat80, KFD83, KG85a, Lus80, LR80, MW86a, MZ88, MNR89, MPR81, Mil85b, RHD81, Ric88, San88, Sch85b, Shu87b, Slo83, Spe87, SF85, SS86b, Swa89a, Vil88, Vrs86, Wei84a, Wei86, Wer82, Win81, dS81b]. **Orderings** [Ana80]. **Orders** [Poh87, Buc87]. **Ordinary** [AV85b, Cas83a, Cas83b, DD86a, DD86b, Gfr87b, Maj86b, Alf80, AV85a, CS80a, CS83a, CR82, CR83, DHT81, FO82, Gfr87a, Hor80, Ise81, Maj86a, Sch83a, dS80a, dS81a]. **Orlicz** [Dur87]. **Orthogonal** [Gat80, Pai80, CQ82, EK89, Gau81, LS83, WT82]. **Orthogonality** [IN87]. **orthogonalization** [Cyb83]. **Ortiz** [CR83]. **oscillating** [BLL87, IL88]. **oscillations** [Lev82a]. **oscillator** [IIMPL81]. **oscillators** [IIMPL81]. **oscillatory** [Fat80, HC81, Oke87, Sch83a, Sid82a, Sid88, TL81].

other [Gol82]. **Outline** [Hag80]. **Overrelaxation** [Hug86, AH81, Had82, HH88b, Mar80c].

P [Ano88b, Che83, Fai84, Fet81c, Kel83a, Mei85, Pex81, Tem81, te 86c, vK83a]. **P.** [AD88, II89]. **P1** [Bre89a]. **Packing** [Boy82a]. **Padé** [Bre89b, Bul80, McC83, NZ82, Und86]. **Pairs** [te 84, te 86a, te 86b, BBG86, CS87c]. **paper** [AD88, II89]. **Parabolic** [BS80, HT81, Win80b, BPST89, CT87c, CTW89, Eld82a, Eld82b, HS85, JLTW87, Kar86, Kee89, Las86, NV88, Noc89, Soc86, Tho80, TZ89, Wer86b]. **parallel** [WW87, Wun85]. **Parameter** [CT89, Gfr87b, Gfr87a]. **Parameters** [Hab83, Rot82]. **parametric** [Tsu86]. **Parity** [BBG87]. **Part** [Ben84a, Ben84b, Ben83, BS80, Cas83a, Cas83b, DMG89a, DMG89b, Fet81b, PdW86, RHD81, WF82, de 86]. **Partial** [Mah81, Mah85, BW85, HLR88, LO83, LeV86, Phi80, RHD81, Sim84]. **Particle** [DMG89a, DMG89b, Puc89]. **Partition** [Mac80, BBG87]. **partitioned** [BPS86b]. **Partitioning** [MT80]. **Partitions** [Gup84, Col82]. **patterns** [Sha82b]. **Patterson** [Fet81b]. **Peaceman** [HV89]. **penalty** [CMSY83, KL85]. **pencils** [Mit83b]. **Penk** [Kel83a]. **Perfect** [BC89a, BC89b, Gor87, Kis83, Hag80, Hag83, Kis81]. **performance** [Wun83]. **Pergamon** [Sal84, SL85]. **period** [EHGL89, Wil81a]. **Periodic** [PW85, Ana87, BG84, Fer80, Hab83, Luc83a, TW83]. **Periods** [LL83a, PW85, Leh88b]. **permanents** [Kal82]. **Permutation** [BC82a, Lan81, BC82b]. **permutations** [Leo80, Spo84]. **Perron** [HJ81]. **Perturbation** [Gar88b, Stu81b, AW84, BSC81]. **Perturbed** [Gar87a, Gar87b, Gar88c, OS86a, OS86b, OO84, SW83, Wei84b]. **Peter** [Tha81]. **Petit** [Dav82]. **Petrov** [Sar87]. **phase** [Alf80, Ana87, CS80b, CS83b, JR82]. **phase-lag** [Ana87]. **physicists** [Fet81c]. **Physics** [II89, Fet84b, Pex81, Tem81, vK83a]. **Piecewise** [Cho82, Yan87, Bro84a, MNSS89, Mit83b, Rab88a, RS82, WZ88, dS81b]. **piecewise-polynomial** [Mit83b]. **Pisot** [Boy84]. **Pivoting** [Ser80]. **Pivots** [Cha84, Cha85]. **places** [Sal84, SL85]. **planar** [DF81]. **Plane** [MS87, BS88b, CM83, Cor80, Ell83, PS83, Rei85, Sch80a]. **plasma** [JE82]. **plate** [Pie88]. **Plateau** [Tsu87]. **Plates** [BF86]. **Pocket** [Tha81]. **Poincaré** [Ioa85a, Ril83]. **Poincaré-Bertrand** [Ioa85a]. **Point** [Alf82, Gar87a, BHK84, Boy84, Fai84, FCM88, Gar87b, Gar88c, Kat80, KFD83, Kin80]. **Points** [BM82c, BT83, Zag87, AW84, FR89, Kum88, Zag88]. **pointwise** [JSW87]. **Poisson** [Bra84, FM86]. **pole** [Cor80]. **poles** [Mon86, Ste86b]. **Pollard** [Mon87]. **Pólya** [Lan81]. **polygonal** [Sch80a]. **polygons** [CS87b]. **Polyhedra** [AS86, Ril83, Spe86]. **polyhedral** [DF81]. **Polynomial** [DD86a, DD86b, DS80b, Gat80, GA81, KLL88, KG82, LL82, LV89, Mos86, NZ82, Sil87, Wer84a, AEM87, Boy82b, Ell83, Kim88, Mah85, Mit83b, Olm86, PT85, Rei85, SW82b, Wri85, Zul88, dS81b]. **Polynomials** [Ada84, BS89, Boy80a, Boy89a, Boy89b, Cho82, CS87a, CsAS87, How80, Lan81, Loc89, Mah82, Mal88, SW88a, AD88, AO83, Boy81, CZ81, CQ82, CT89, EK89, Gau81, Gir87, GO82, Iga84, Lew85a, Lew86, LS83, MNSS89, SSO83, vK85]. **population** [RHD81]. **Porous** [DR83, Hof85, Ros83]. **Posed** [Gfr87b, EN85, Gfr87a, Han82, Mar80b, Neu87]. **posedness** [TH86]. **Positive** [Man80, Pie84, Sha84, BBG82, Col82, EGL80, Gal83]. **positivity** [dD85]. **possible** [Net80]. **postage** [Mos81]. **Posteriori** [Gfr87b, VB81c, BW85, Gfr87a, Luc83a]. **postprocessing** [Com89]. **Potential** [BLM89, OHW85, Pas84]. **Power** [Eva83, GS89, Sha84, Boy81, ELT88, GL82, Sid80a]. **powerful** [SW88c]. **Powers** [Hud84, PdW86, de 86, Kip84, Leh88a]. **Practical** [Sha86]. **preassigned** [Ste86b]. **precision** [BM80, FW80, Fra81a, Rab80, Smi89]. **preconditioners** [BPS86a, BPS87, BPS88, BPS89]. **Preconditioning** [AG83, RW84, BP88b, BP88c]. **predictor** [JM85]. **predictor-corrector** [JM85]. **Prentice** [vK86]. **Prentice-Hall** [vK86]. **Prescribed** [CT86, PP85b, Fer80, PP85a, SS88]. **Presence** [Yse86]. **preserving** [DEH89]. **Press** [Ano88b, Car80, Che83, Fet81e, Fet82a, Kru83, SL85, Sol86, Stu81a, vK82]. **pressure** [CN86]. **Primality** [AS82, AL81, CL84a, CL87a, CL87b, Pom87, Tem80, WD86, Bre82a, Bri82, KSW86, PSS89, Wil87]. **Prime**

[Bre80, Goe88, Jam80, PdW86, Wei81, YP89, de 86, te 81, Hag80, Hag83, KP89, Kis85, McC84b, Wun83]. **prime-testing** [Wun83]. **Primes** [Bor81, BCP82, CW80, GLS87, Kel83a, LM81, Löh89, Mor89, NN80, Pri83, HP84, Hud85, Kel82a, Kel82c, Kel83b, Mor90, PSS89, Pri85, Sha82b]. **Primitive** [Coh84, Lan81, LS87]. **Principal** [Wil82b, BW87, BW88, CM87b, Ioa85b, Mas89, Oke87, Rab83, Rab85, Rab88b, Rab88a, RL89]. **Principle** [Can88, Sch80a, dS80a]. **Printing** [Lon83]. **priori** [BHK84]. **probabilistic** [Sey87]. **Probability** [Dem88, KP89]. **probable** [KP89]. **Problem** [AK81, Ben84a, Ben84b, Dem88, Gar87a, Gar88b, KP87, Ste86a, Ste84b, Auz87, BCW81, BCW82, BSC81, BHK84, BR85, Bra81, Bul80, Coh82, CF89, DW89, DNW88, FM86, Fri84, Gar87b, Gui87, II89, JR82, Mos81, OS86a, OS86b, Pas84, Pie88, PS85, SW88c, Tsu87, Wei84a, Whi83, WWL81]. **Problems** [AV85b, BS80, Cas83a, Cas83b, Gfr87b, GR89b, MW86b, Mar82a, Mic87, Saa84, Wer86a, Win80b, Alf80, Ana87, AW84, AV85a, BO89, BSC$^+$80, BL88, BPS86a, BPS86b, BPS87, BPX88, BPS88, BP88b, BP88c, BPS89, BPST89, CMSY83, CT87a, CGT88, Cos82, DRS85, Dut89, DF83, EG87, ER80, ET84, Eri85a, EN87, EJ88, Fai84, Gar84, Gar88c, Gfr87a, GT81, GT85, GT87, GOT81b, HK87, HH88a, Han82, HTE81, HV89, JS85, Kar86, Kat80, KFD83, Las86, LC88, Lun86, MW86a, MR83a, MZ88, Mar80b, Mat87, Mic83, Mil85b, Mit83a, Mos89, Mun81, Nas87, NV88, Noc89, OO84, Par80, SW83, Sch85a, Sch86, Spi85, Tho80, Wei86, Wei84b, Wer82, Wer86b, Win81, dW85a]. **Procedures** [Bre89b, Lev82a]. **process** [BD81]. **processes** [DM82a]. **processing** [Cyb83]. **producing** [Dub89]. **Product** [BBG88, CG88, Sch81, SSO83, CM87b, LS86, Mas89, Sch84c, Sto81]. **Products** [AB80, Hud84, PdW86, de 86, Car80, Fet81e, Fet82b, Fet82a, vK86, Kru83, Sol86, vK82]. **programming** [DF83, Mon81, SN83]. **Progression** [Pri83]. **progressions** [Hud85, McC84b, Pri85, Rot82]. **Projection** [CT87b, SW82a, CS89, Par80, dS81b]. **Projections** [Wah84, Jia87]. **proof** [Hag80, Hag83, dD85]. **Proofs** [Pom87, Bre82a]. **propagation** [EG87]. **Properties** [Kel82b, Lew86, BF88, Egg84, FP84b, IIMPL81, Lew85a, LS89, Pie88, Shi84, Und86, Wer82]. **Property** [Gla83, AD88]. **Prove** [CD86]. **Pseudo** [Pas80]. **Pseudoprimes** [BW80, EKS88, Gor89, MM89, PSW80, Pom81, Ada87, McD89, Rot82]. **Pseudorandom** [Tez88, AW89, EHGL89, ELT88, Nie89]. **Pseudospectral** [Got81a, FG88, GOT81b]. **Pseudospectral-Chebyshev** [Got81a]. **pulse** [LC88]. **pulse-spectrum** [LC88]. **Pure** [WCS80, TW86, Wil80c, WDS83]. **pyramid** [Spe86].

QR [Ste84c]. **Quadratic** [Bue87a, DL88a, Del89, Ger83b, KR89, Mit83b, Sch83b, Sil87, de 86, AEM87, Bue84, CT87a, CW87, DF83, Fie81, LQ88a, Mol87, Rei86, Sey87, SW88b, TW86, Vau83, Vau84]. **Quadratic-Exponential** [de 86]. **Quadratically** [BB86]. **Quadrature** [CGM86a, CGM86b, FO86b, FO86a, För87, GM85b, GR88, Ise81, LM80, Mon86, Oke87, Slo81, Xu89, Akr85, BN82b, Boj81, BS84, Che82, Dyn84, Egg84, GM85a, GN88, HTN83, Has86, Ioa85a, Ioa85b, LR84, Lun83, Sid80b, Sid82b, SL89, Ven86, VL80]. **Quadratures** [KE84, Rab88a]. **quadrilateral** [Shi84]. **Quartic** [Ada84, Str89, Buc87, BW87, BF89b, BPv89, God84a, God84b, HHR$^+$87, Set80, Vau85a]. **Quartically** [Bai88a]. **Quasi** [Dur87, Le 81b, Mic87, Noc80, SW82a, WH83, Luc83b, ST87, Toi81]. **Quasi-Initial-Boundary** [Mic87]. **Quasi-Linear** [Le 81b]. **Quasi-Newton** [Noc80, Luc83b, ST87, Toi81]. **Quasi-optimal** [Dur87]. **Quasi-Optimality** [SW82a]. **Quasi-Smooth** [WH83]. **quasilinear** [Mil85b]. **quasiperfect** [Kis81]. **quasistationary** [Zlá83]. **Quaternary** [Hud84]. **quick** [PSS89]. **Quintic** [SW88a, DEH89]. **Quotient** [Leh81, MMM88, Sto80, McC83]. **Quotient-Difference** [Sto80, McC83].

R [vK86, Kel82a, Kel83a, Mei85, Pex81, Tem81, te 86c, vK83a]. **Rabinowitz** [Che83]. **Rachford** [HV89]. **Radau** [Rab86b]. **Radii** [Boy82a]. **Rado**

[Bra83]. **Ramanujan** [BBG86, PdW86]. **Random** [Mar80a, Mon85a, AEM87, KP89, Puc89, Rob89]. **range** [Mos81, Sid82b]. **Rank** [Kre86, BW88, BGZ85, FM85, LS89]. **rank-** [LS89]. **Rapid** [Shr85, Lev82a, WDS83]. **rapidly** [BLL87, IL88, McC81b]. **Rate** [Boy80b, Bra84, DW81, Far86, Boy81, Boy82b, DRS85, Eri85b, Pen81]. **rate-of-convergence** [Boy82b]. **Rates** [BM81, DMS84, Gfr87b, LR84, Luk88, Rab86b, Gfr87a, Sch84c]. **Rational** [Bla82, Hea85, Hea86, IN83, Lar80, SW86a, WBR82, Dic80, EK89, Mah85, Ste86b, Vrs86]. **Rationals** [HW84]. **ratios** [TW80]. **reaction** [Gal83, OS86b, SW83]. **reaction-diffusion** [Gal83, OS86b, SW83]. **Real** [EMT85, ET85b, Gra87b, LO82, SW88a, Smy84, van82a, BF89b, BPv89, CS82, CS87c, Gau83, LQ88b, SWW83, Smy81, SW88b, TW86]. **Reciprocal** [Boy80a, Boy89a, Boy89b, FW84, Wri84]. **reciprocals** [Wró84]. **reconstructing** [BG84]. **recovery** [CN86]. **rectangle** [AW89]. **rectangles** [DL81]. **rectangular** [RHD81]. **Recurrence** [DiD82, Hor80, Kro80, Lew85b, Lew87, Olv88, PdW86, de 86, Gau81]. **recurrences** [Ada87]. **Recursive** [Bul80, CR83]. **reduced** [CS80b, CS83b, JP82, Por85]. **Reduction** [RW84, VB81c, VB81a, VB81b]. **Reentrant** [Wah84]. **Refinement** [Ber85, McC81a, Ske80, Eri85b]. **refinements** [Eri85c]. **regions** [BPS86b, WT82]. **Regression** [LL82]. **regular** [Gar84, HP84, Nas87, Olm86]. **Regularity** [Wer84b, CTW89]. **Regularization** [Gfr87b, ALS89, FCM88, Gfr87a]. **Regularized** [Luk88, Bör89, Neu87]. **Regulator** [WCS80, CMSY83, Wil80c, WDS83]. **Reissner** [BF86]. **Related** [BM82c, GW85a, FW80, Fra81a, GW85b, Gra87a, JP82, Loc81, McD89, Wer86b]. **relating** [Oku83]. **Relations** [Olv88, BF89a, DiD82, Gau81, Hor80, Kro80, Lew85b, Lew87]. **Relative** [Ziv82]. **relatively** [Hag83]. **Relaxation** [Bra84]. **remain** [DM82a]. **Remark** [Mei85, Tza86, AD88]. **Remarkable** [Gla83]. **Remarks** [PP80b, Was86, Vér82]. **reorthogonalization** [Sim84]. **Rep** [Fet81b]. **repeated** [Mah85]. **Representation** [Ste88, SL89]. **Representations** [Ral83]. **Res** [Fet81b]. **Residue** [Eva83, Len84, Mac80]. **residues** [WW87]. **Resolution** [Har86, Gaá88]. **Respect** [Bau86a, Bau86b]. **restrictions** [Spi85]. **result** [OS86a]. **Resultants** [LL87]. **resulting** [BP88b, BP88c]. **Results** [Wil81b, van88, Bai88b, BF89a, BBG87, CQ82, Ioa83, LP86, Rab88a, SW88c, VB81b]. **Review** [Tha81]. **Riele** [te 86c]. **Riemann** [te 86c, te 86d, Apo85, BvtW82, Eli86, Leh88a, vt83, vtW86]. **Right** [Saa87]. **Right-Hand** [Saa87]. **Riley** [Gra83]. **Ring** [GW85a, GW85b, Gra87a, KBF87]. **rings** [Mah80, von84]. **Rio** [II89]. **Robust** [Shr85]. **roles** [Par80]. **Root** [Hig86b, Lar80, Mos86, NS85]. **Root-Finding** [Lar80]. **Rootfinder** [Shr85]. **rootfinding** [Kim88]. **Roots** [Bau86a, Kel86, MT80, Sch85c, Bau86b, PT85]. **rotating** [DLR81]. **Rotkiewicz** [KP87]. **rough** [Las86]. **round** [Ziv82]. **round-off** [Ziv82]. **row** [JS87a]. **rule** [CM87b, Ven86]. **Rules** [SSO83, BS84, Ioa85a, Ioa85b, LS86, Lun83, LS89, Rab80, Rab83, Rab85, Rab86a, Rab86b, Rab88b, RL89, Sid80b, Sid82b, SL89]. **Runge** [CS89, BJVZ89, BHN82, Bru84, Cas83a, Cas83b, CS83a, DM82a, Kar86, Kee89, Lub83, Pia81, Sha86, Zen86, dW85a]. **Russian** [Car80, Fet81e]. **Ryzhik** [Fet81e, Fet82a, Kru83, Sol86, vK82]. **Ryzik** [Fet81e, Fet82b, Car80].

S [AD88, Car80, Fet81e, Fet82b, Fet82a, Fra81a, Kel82b, Kru83, Sol86, vK82]. **Sadiku** [Fet82a]. **Salamin** [New85]. **Sander** [Shi84]. **satisfying** [EO80, OHW85]. **scalar** [CM80, GL85, JP86, Luc86b, OT88, Pas84, Sze89, Tad84a]. **Scaled** [Ste84c]. **scales** [Sch85a]. **Scan** [CD86]. **Scattered** [Fra82, Nie83]. **Scattering** [AK81, BLM89]. **Scheme** [Gar88b, GT81, Har86, Kel86, Gev89, HTE81, Hof85, NV88, San88, Slo83, Tad84a, Van82b, Whi83, Zlá83]. **Scheme-independent** [GT81]. **Schemes** [Gar87a, HT81, JT81, KG85b, KMS+86, Le 81b, Lor86, BSC+80, Gar87b, Gar88c, Gev84, GL85, Hal82, JM85, Kar80, KG85a, Luc86b, Mos89, Mun81, OS82, San83, Sch85b, Shu87b, Soc86, Sta81, Swa80, Tad84b, Tad87, Vil88, Wei84b, dW85a]. **Schröder** [Vrs86]. **Schrödinger** [IIMPL81, SS84].

Sci [Phi87]. **Secant** [DM82b, Ste84a, Tap88]. **Second** [Bal84a, BD89b, Bue87b, Car87a, Car87b, GM84, KG85b, MW86b, Sch85b, Swa89b, BD80, Bal84b, BDS85, BD89a, BJVZ89, BHN82, Cas80, DR85, Fai84, Fet81c, Fet84b, Gev84, Gra82, HS81, JM85, Kar80, KFD83, KG85a, KG82, Lub83, Lub85, MW86a, MZ88, Mil85b, RHD81, Slo81, Spe87, Swa89a, Wei84a, Wei86, Wer82]. **Second-Order** [BD89b, KG85b, MW86b, Swa89b, Sch85b, BD80, BDS85, BD89a, Cas80, Fai84, Gev84, Kar80, KG85a, MW86a, MZ88, Mil85b, Spe87, Swa89a]. **section** [SS86a]. **Sectors** [CS87a, GO82, CsAS87]. **segmented** [OO84]. **segmented-adaptive** [OO84]. **Seidel** [Bra84]. **selected** [Gar84]. **Selection** [Del81, VB81a]. **self** [LS85]. **self-intersections** [LS85]. **selfadjoint** [BO89, MZ88]. **Selfridge** [Bri82]. **semi** [SN83]. **semi-infinite** [SN83]. **semiconductor** [Zlá86]. **semicontinuity** [HLR88]. **Semidiscrete** [Bal84a, Bal84b, HT81, Par80, TZ89]. **semidiscretizations** [JS85]. **Semigroups** [WWL81, HLR88]. **semilinear** [CT87c, CTW89, JLTW87]. **Seminar** [II89]. **semisimple** [MP87]. **separably** [Alf80]. **Sequence** [Boy82a, Del81, Mah82, GS80, Kel82b, NS84, Sid80b]. **Sequences** [Kin83, PdW86, de 86, EHGL89, MP85, Mie80]. **serial** [Nie89]. **Series** [Boy80b, BC82a, Fra81b, GM85b, Lav87, NT87, Pie84, Scr88, Sha84, Wri81a, Wri81b, AJS83, Boy81, Car80, Cyb83, Ell83, Fet81e, Fet82b, Fet82a, GL82, GM85a, vK86, Hor80, Kip84, Kru83, Lav86, Lev80, LCC88, LCC89, McC81b, NS84, Phi80, Sid80a, Sol86, vK82]. **set** [FT84, Leo80, Wró84]. **Sets** [Bro85, Eva83, Lag83, Lun88, GR89a, Ger83c, PSS89, Toi86, Vrs86, Wag80]. **Several** [Saa87, Hab83]. **Sextic** [EMT85, Gra87b]. **Shamanskiĭ** [Kel86]. **Shamanskiĭ-like** [Kel86]. **shaped** [Dja81]. **Shapiro** [Tro85, Tro89]. **Sharp** [CMSY83, DNW88, Sch84c]. **Sharpening** [Swa89b, Swa89a]. **Sharpness** [Wah84]. **sheeted** [LS85]. **Shepard** [Far86]. **shift** [NS85]. **Shock** [CGS89, ELS89, Lor86, Sze89]. **shock-capturing** [Sze89]. **shocks** [Kar80]. **Shooting** [MS84, Tro80]. **Short** [LL83a, Pom87, FP85]. **side** [Swa80]. **Sided** [Mar82b, EO81]. **Sides** [Saa87]. **Sierpiński** [BCW82, BCW81]. **Sieve** [Ger83b, Sil87]. **Sign** [KE84, te 87]. **signal** [Cyb83]. **signature** [God84a, God84b]. **similar** [BBG87]. **Simple** [Yam86b, CGT88, Kum88, PS85, Wun83, Yam86a, Zul88]. **Simplest** [Was87]. **simplex** [Gra88, LM80, Olm86]. **Simplified** [LL82, LL83b, New85]. **Simulation** [MR83b]. **simultaneously** [PT85]. **Sinc** [Kea83, Lun83, BS88b, Lun86]. **sines** [Sal84, SL85]. **Single** [Bal84a, BS80, ADT81, Bal84b, San88, IIMPL81]. **Singular** [Gar88b, Kel86, Ste84c, Tho81, AW84, BSC81, BS88b, Bru85, ET84, Eri85a, EN87, HC81, Ioa83, JS81, LR84, Mak81, Nas87, Rab86b, Sch81, TL81, Ven86, Wei84a, Wei86, dW85a]. **Singular-Perturbation** [Gar88b]. **Singularities** [MMM88, Yse86, Gra82, LS86, LM80, Sid80b]. **Singularly** [Gar87a, Gar87b, Gar88c, OS86a, OS86b, OO84, SW83, Wei84b]. **Six** [GM82, PH84, GO82]. **Six-Dimensional** [PH84]. **sixth** [Kat80]. **size** [JM85]. **Sizes** [Maj86b, Gol81, Maj86a]. **Sketch** [Hag83]. **Skew** [Bun82]. **skipping** [Alf80]. **Small** [Boy80a, Boy89a, Boy89b, Cha84, BF89b, Cha85, God84a, God84b]. **smallest** [Jae83, Jae85]. **smear** [JSW87]. **Smooth** [CW83, Swa89b, WH83, BS88b, BPST89, Bro84a, Swa89a]. **Sobolev** [ADT81, CQ82, DS80b]. **Soc** [II89]. **solenoidal** [Fri84]. **Solution** [Dic80, MW86b, Mis84, SS84, Wil80a, Alf80, ADT81, BT87, BS88b, Bör89, Bro84a, Bru85, Cas80, Cha82b, Cha87, CS80a, Cuy82, DF83, Eld82a, Eld82b, ER80, FO82, Gal83, Gla87, Gre82, HS81, Ioa83, JS81, LP86, Lun80, MW86a, MZM89, OO84, Pie88, Por85, Sch83a, Sch86, Spe87, Spi85, Toi86, Tsu87, Wei86, WWL81, Zlá83, Zlá86]. **Solutions** [Hud84, Luk88, McI86a, McI86b, Str89, Zaj83, Auz87, BL88, CL84b, FT84, Gau81, Hor80, Lue89, Mar80b, Mat87, Neu87, Puc89, Shu87a, SJI85, Vér82, Wri85, Zul88]. **solvability** [Mol87]. **Solving** [AEM87, Le 81b, Saa81, Saa84, SS85, Saa87, Yse86, BD81, CGT88, DL88b, EN85, Gol82, Hil82, Ven86]. **Some** [BW85, BBG88, Bor81, BM80, Bre82b, CW80, Dud87, Fet80, Fra82, Gat80, HT81, Kel82c, Ker83, Lav86, Lav87, Le 81a, LS89, McD89, Mey84,

MS87, Oku83, Pai80, PW85, Que81, RS82, SW86a, Scr88, Sha86, Sha82b, SW88c, Und86, Vér82, VB81b, Was86, Wil81b, BR85, Bre82a, Bue84, Com89, DK85, Fet81a, FW80, Fra81a, FW85, JP82, KLL88, MZM89, Mos89, Nak84, PS83, Pri85, Sar87, SW86b, Sid82b, Wil87]. **Soni** [Pex81, Tem81, vK83a]. **SOR** [EL89]. **Space** [PH84, AD82, ADT81, AM89, ET84, EN87, Fri84, Gra83, LC88, OS83, Sze89]. **space-time** [LC88]. **Spaced** [LL82, For88]. **Spaces** [CH89, CT87b, SW82a, Wah84, CQ82, DS80b, Vér82]. **spacings** [Odl87]. **sparse** [DL88b, ER80, Luc83b, Sha80, Ste84a, Toi81]. **spatial** [San83]. **spatially** [CTW89, JLTW87, Ric81]. **Special** [Gra87b, How80, Mah82, AH81, Fet84b, Had82, Lue89, McD89, Pex81, Spe86, Tem81, vK83a]. **spectra** [Fer80]. **Spectral** [CGS89, Can88, FP84b, Hei89, NOPEJ87, Pas80, Dut89, ER80, IIMPL81, McL86]. **spectrum** [DLR81, Fis88, JE82, LC88]. **speed** [Jag82, Wil80c]. **Speeding** [Mon87]. **Spline** [CW83, Cos86, Mar82b, Arn83, SW85, dD85]. **spline-trigonometric** [Arn83]. **Splines** [CJW87, CDR88, DL88a, Met86, BC86, CH84, DM83, Gra88, JS81, Jia87, LA82, LA84, Luc83a, MNSS89]. **split** [LeV86]. **Splitting** [Ada84, BM81]. **splittings** [LO83]. **Sporadic** [Yam86b, Yam86a]. **Springer** [Fet81c, Fet84b, Kni88, Pex81, Sal81, Tem81, vK83a]. **Square** [Bro85, Hig86b, Sch85c, Lag83]. **squared** [DL81]. **Squares** [AKS85, Bue87b, LL86, LS81, MW86c, BL88, DL81, EGL80, Lag83, Mil87, Mit83b, Shi86, Shi19, Ano88b]. **Stability** [Ana80, Ber85, CT87b, Dut89, Got81a, GOT81b, Hic81, HV89, Le 81a, Le 81b, Maj86a, Maj86b, Mic83, Pia81, Pit80, Ske80, Tre85, CR82, Cuy82, Elm86, Fis88, GT81, GT85, GT87, JE82, Par80, Sch80a, Spi85]. **stabilized** [DW89]. **Stable** [Bun82, EO80, Gek82, Sha81, Sto80, Ana87, DM82a, FM85, GL85, Gra88, Noc89, Sha82a, Tad87, Win81]. **stamp** [Mos81]. **Standards** [Smi83]. **State** [Bra83, EG87]. **States** [BB85b]. **Stationary** [Lor86]. **statistics** [Bue84]. **Steady** [BB85b, EG87, Kar80]. **Stefan** [JR82, Whi83]. **Steiner** [MPR81, SF85, SS86b]. **Stenger** [BN82b]. **Step** [Bal84a, BS80, DD86a, DD86b, Har86, IN87, Maj86b, Bal84b, JM85, Maj86a, Spi85, Wer80]. **Stepsize** [Ske86b, Ske86c, Spi85]. **Stieltjes** [BB82, BF88, Boy82b, Cha80]. **Stiff** [Cas83b, Maj86b, Alf80, CS83a, Fat80, Ise81, Maj86a, OO84]. **stochastic** [Cha87]. **Stokes** [BDK82, BM81, BR85, CF89, DW89, DNW88, FT84, Gev89, Gir88, Gui87, JS86, KL85, PS85, Ste84b]. **Stolarsky** [Ste86a]. **Storage** [Noc80, SL84]. **stream** [CN86]. **Streamline** [JS86, JSW87, Sze89]. **Stretching** [Bea86b, Bea86a]. **strictly** [Mar80c]. **strip** [BvtW82, te 86c, te 86d, vt83, vtW86]. **Strong** [AS82, Leo80, Rot82]. **strongly** [HTE81, Sar87]. **structure** [BR88]. **structures** [Rei86]. **Struve** [New84]. **study** [Fai84, GN88, KFD83, Vrs86]. **Sturm** [Gar84, Nas87, Pai82]. **Subcycling** [Hic81]. **subgroup** [BR88, LQ88a, Sto81]. **Subgroups** [BC82a, PP80a, PP80b, PP80c, Sto81]. **Subset** [Lun88]. **Subset-Sums** [Lun88]. **Subspace** [Saa81]. **substructures** [BPS86b]. **substructuring** [BPS86a, BPS87, BPS88, BPS89]. **subsystem** [SS86b]. **success** [Bue84]. **successive** [Pen81]. **Succinct** [Bre82a]. **such** [Jae83, Jae85]. **Sufficient** [AS82]. **Sum** [Min80a, EGL80, Lag83, Leh88a, Wró84]. **Summation** [GM85b, Lav87, Sch83c, GM85a, Phi87]. **Summations** [Gla81]. **Sums** [CL84a, Hud84, Lun88, JS87a, Shi86, Shi19, SL89]. **Superconvergence** [ADT81, Kum88, LN89, OS86a, Tho80]. **superconvergent** [AW82]. **superlinear** [ST87]. **Superspline** [CH89]. **Supplement** [AB87b, AV85b, Bal84b, BD89b, Bau86a, Bea86b, Boy85b, Boy89b, BE88b, BC89b, BMS88a, BP89b, BSSW87, CGM86b, Car87a, Car88a, CL87b, CsAS87, DD86b, FO86b, Gar87a, GM85b, Gfr87b, GW85a, KG85b, Maj86b, MW86b, McI86b, NT87, PP85b, Sch84b, Ske86c, Swa89b, Yam86b, te 86b, vt85b]. **Supra** [KMS$^+$86]. **Supra-Convergent** [KMS$^+$86]. **surface** [LS85]. **Surfaces** [LS81, KBF87, Tsu86]. **surprising** [AD88]. **Swan** [FHS86]. **Swinnerton** [BGZ85]. **Swinnerton-Dyer** [BGZ85]. **Sylow** [LQ88a]. **symbolic** [CD87]. **Symm** [CES88]. **Symmetric** [Bun82, Saa87, Ser80, Swa86, ER80, MNR89, Ste84a]. **symmetrical** [Phi87].

Symmetrization [Lun86]. **Symposium** [Gau94]. **system** [Cuy82, Gar89, Wri85]. **Systems** [AKS85, BE88b, Hud84, Man80, Saa81, SS85, Saa87, AW84, BP88b, BP88c, BE88a, CR82, CR83, DL88b, FO82, Gal83, HS85, Ise81, Lus80, Mar80c, MPR81, OS82, Rhe84, SF85, SS86b, Tad83, Tad87, Vil88, Wer80, Win81, Zul88].

T [Has86, Stu81a, te 86c]. **Table** [Ano88b, Bac80, Bau86a, Bri82, Car87a, Car87b, Car88a, Car88b, Car89, Car80, Che83, Dav82, Fet81d, Fet81c, Fet81e, Fet81b, Fet82b, Fet82a, Fet84b, vK86, Kel82a, Kel82b, Kel82c, KP88, Kni88, Kru83, Lon83, Pex81, Phi87, Sal84, SL85, Smi83, Sol86, Stu81a, Tem81, vK82, vK83a, vK83c, vK83d, vK83e, vK83b, vK83f, vK83g, CS87c, McC83, WZ88]. **Tables** [Bau86b, Ben83, BMS88a, BMS88b, Dav82, KP88, Kni88, SL85, vK83f, vK83g, Lon83, Smi83, vK83b]. **tangent** [Ven86]. **Tate** [TZ87]. **tau** [CR83, OO84, FO82]. **Taylor** [Fra81b, Scr88, Wri81a, Wri81b]. **te** [te 86c, te 86d]. **Technique** [Man80, BP88b, BP88c, CN86, Cyb83, LC88, Mah81]. **Techniques** [AV85b, Pai80, Saa84, AV85a]. **Ten** [PP80c, Sal84, SL85]. **term** [Gau81, McC84b]. **Terminal** [MMM88]. **termination** [Iga84]. **Test** [CL87a, CL87b, Nie89, Shi87]. **Testing** [AL81, Bri80, CL84a, CGT88, AO83, BW87, Wun83]. **Tests** [AS82, Fra82, KSW86, PSS89, Wil87]. **th** [NN80]. **their** [BJVZ89, Gir87, Ioa85b, Lag83]. **Theorem** [Mee80, Mic87, Tza86, Boy82b, FHS86, McC84b, Ril83, SSP85, TW89, Sch83c, SW81]. **theorems** [Fet84b, Mah80, Pex81, Tem81, vK83a]. **Theoretic** [CT86, CT89, VB81b]. **Theory** [DD86a, DD86b, BHN82, Ger83a, Gir87, GV87, Las86, Lub83, Mic83, SSP85, Stu81b]. **there** [BB88]. **Theta** [Par83, BBG87]. **thing** [dS80a]. **Third** [Car88a, Car88b, Ada87, Gui87, Pex81, San88, Tem81]. **third-order** [Ada87, Gui87, San88]. **Thomson** [Sal80]. **thousandths** [Sal84, SL85]. **Three** [BM82a, BM82c, Sch83c, te 81, AJ81, BB88, BM82b, Gau81, Gui87]. **three-term** [Gau81]. **Thue** [Str89]. **Tikhonov** [Gfr87a, Gfr87b, Neu87]. **Tikhonov-regularized** [Neu87]. **Time** [Bal84a, Ben84a, Ben84b, DW83, Eld82a, Eld82b, Har86, HT81, AEM87, AD82, AM89, Bal84b, BDS85, CT87c, Cyb83, Gal83, Gev89, Kar86, Kee89, LeV86, LC88, OS83, Sch85a, Tad84a]. **Time-Dependent** [Bal84a, HT81, DW83, Bal84b, BDS85, Kar86, Kee89]. **Time-Harmonic** [Ben84a, Ben84b]. **time-split** [LeV86]. **Time-Step** [Har86]. **Toeplitz** [BP88a, Dic80]. **Torii** [Has86]. **torsion** [Rei86]. **total** [dD85]. **Totally** [ET85b, Smy84, Buc87, BW87, BF89b, BPv89, CS87c, LQ88b, Smy81]. **transcendence** [Bai88b]. **Transcendental** [Mis84, Fet81d, KLL88, vK83c, vK83d, vK83e]. **transform** [ALS89, For81, LG86]. **Transformation** [NOPEJ87, ER80, Sid80a]. **Transformations** [Del81, AJS83, CD87, Fie81, NS85, Sid80b]. **Transforms** [CT86, FMPT84, BB82, CT89, FW85, KP88, Mah80, vK83f, vK83g, Kni88]. **transient** [Alf80]. **translates** [Loc81]. **translation** [Car80, Dav82, Fet81e]. **transonic** [EO80, Fis88, Mos89, OHW85]. **trapezoidal** [Wei84b]. **treatment** [Shu87a]. **Triads** [LL86]. **Trial** [Mon85b]. **Triangles** [Adl83, Sty80]. **triangular** [FM85]. **Tricomi** [Fet81d, KP88, vK83c, vK83d, vK83e, vK83f, vK83g]. **Trigonometric** [Fet80, Fet84a, Arn83, Fet81a, Mas83, Sch80b]. **Triperfect** [Kis84, Kis85]. **Triperfects** [BN82a]. **triple** [MPR81, SF85, SS86b]. **Trivial** [Str89]. **Truncation** [TW83]. **turbulence** [BK89]. **Turing** [Bra83]. **turning** [AW84, BHK84, Kum88]. **TVB** [CS89, Shu87a, Shu87b]. **twelfth** [Coh82]. **Twentieth** [YB88]. **Twenty** [Eva83]. **Twenty-Fourth** [Eva83]. **Two** [AB80, Ben83, CD88, Coh88, CL84b, DM82a, Gar87a, IN87, LL86, Leh81, Mar82b, Mis84, Olm86, AG83, BM82b, BK89, CT87a, CN88, Coh82, CD87, Cot87, Dja81, ELT88, Fai84, Gaá88, Gar87b, Gar88c, JR82, Kat80, KFD83, KBF87, Lev82a, Mas89, SW83, Shi86, Shi19, Sze89, Tre85, Tsu86]. **two-dimensional** [BK89, CT87a, CN88, Cot87, Dja81, Lev82a, Mas89]. **two-level** [AG83]. **two-phase** [JR82]. **Two-Point** [Gar87a, Fai84, Gar87b, Gar88c, Kat80, KFD83]. **Two-Sided** [Mar82b]. **Two-Step** [IN87].

Two-Valued [Coh88]. **Type** [FO86b, FO86a, HT81, HW82, Lin86, NZ82, Sha81, Sha82a, Dyn84, Gol82, Gre82, HC81, KS87, Kum88, LW82, MZ88, Ioa83, Ioa85a]. **Type-Insensitive** [Sha81, Sha82a].

U.S [Lon83]. **unbounded** [Gol81, Gol82, HK87, LS86]. **unconditional** [Tad83]. **Unified** [Ste84b, Sid80b]. **Uniform** [Egg89, Gar87a, Gar87b, GR89b, Mun81, Ray88a, Ioa85b, Loc81, Ray88b]. **Uniformly** [Gar88b, BSC81, OS86b, Shu87b]. **Unigrid** [MR83b]. **unilateral** [SB89]. **Uniqueness** [Boj81, Cho82]. **Unit** [Mae86, Buc87, BW88, BPv89, Lew85b, Lew87]. **Unitary** [Hag81]. **Units** [BP89b, Gra87b, PZ82, PWZ82, BP89a, CS87c, Leh88b]. **Univ** [Stu81a]. **unramified** [Vau85a]. **Unsymmetric** [Saa81, EL89, PTL85]. **update** [Luc83b, Ste84a, Toi81]. **Updates** [DM82b, Tap88]. **Updating** [Noc80, Pai80, FM85]. **upon** [Nie83]. **Upper** [HLR88, Cha82a]. **Upwind** [Lor86, OS82]. **Use** [CD86, Gal83, Tap88]. **used** [Iga84]. **user** [Sid88]. **user-friendly** [Sid88]. **Using** [BOP80, Bai88a, BLM89, AJ81, BF89a, Bue84, CT89, Dur87, LA82, LA84].

V [Kel82c, PP80c]. **validity** [Tro89]. **valuation** [von84]. **Value** [AV85b, Ben84a, Ben84b, Bra83, Cas83a, Cas83b, Gar87a, GR89b, MW86b, Mee80, Mic87, Ste84c, Win80b, Alf80, Ana87, AV85a, BL88, CM87b, Dut89, ET84, EN87, Fai84, Gar87b, Gar88c, GT81, GT85, GT87, HV89, Ioa85b, II89, Kat80, KFD83, Las86, Lun86, MW86a, MR83a, Mas89, Mat87, Mic83, Mun81, OS86a, Oke87, OO84, Par80, Rab83, Rab85, Rab88b, Rab88a, RL89, Sch86, Spi85, Wei84a, Wei86, Wei84b, Win81, dW85a]. **Valued** [Coh88, GR81]. **Values** [Alf82, LL82, Mey84, NT87, Smy84, Fet81b, FT84, FW80, Fra81a]. **Vancouver** [Gau94]. **Variable** [Cho82, DW83, JM85, LL82, Ske86b, Ske86c, ALS89, ADT81, Fal83, GOT81b, KL85, San83, Sha80]. **variable-metric** [Sha80]. **Variable-Stepsize** [Ske86b, Ske86c]. **Variables** [CD88, Mar80a, Coh82, CD87, CGT88, Gaá88, Hab83]. **variation** [San88, TL85]. **Variational** [Gol80, Mit83a]. **variationally** [Toi81]. **Varies** [CL83]. **varying** [OS83, Ric81]. **vaulting** [Cor80]. **vector** [EHGL89, For81, Fri84]. **Vectors** [Ger88, FP85]. **version** [BS88a, EN85, New85, PS85, SS89]. **versus** [Wer84a]. **vertices** [LM80]. **Very** [CW80, Pom87, Sch80b, Kel82c, Sid82a]. **via** [EK89, Ven86]. **Viscosity** [DMG89a, Tad84b, Tad87]. **viscous** [BM81, CN86]. **Vol** [Fet81d, KP88, vK83c, vK83d, vK83e, vK83f, vK83g]. **Volterra** [vt85b, BJVZ89, BHN82, Bru84, Bru85, Bru89, Egg84, Egg89, Gla82, Gla87, JM85, Lub83, Lub85, Mak80, Mak81, Wol83, vt85a]. **volume** [Spe86]. **Volumes** [AMS84, AS86]. **Voronoı** [Wil81b]. **Vortex** [BBP81, BM82a, BM82b, Bea86b, Del89, Gre86, Bea86a, CN88, Cot87]. **Vries** [AW82, BDK83, DK85, Win80a].

W [Fet81d, Fet84b, Kel82b, KP88, Pex81, Tem81, Wil88, vK83a, vK83c, vK83d, vK83e, vK83f, vK83g]. **W.** [Ker83, Tza86]. **walk** [Rob89]. **Wang** [AD88]. **Washington** [Lon83, Smi83]. **Waterflood** [DW83]. **Watson** [Stu81a]. **Wave** [CGS89, Le 81b, ATZ83, Bro84a, EG87, Hal82, Hig86a, Hig87, SB89, TH86]. **waveguides** [Gol82]. **way** [TH86]. **Weak** [Ray88a, Ray88b, Sch80a]. **weakly** [Bru85, Mak81, Mik89, Sch81]. **weakly-singular** [Mak81]. **Weber** [Gra87a]. **Weeks** [LG86]. **Weierstrass** [Las82a]. **Weight** [För87, KE84, SW86b, Xu89, BS84, GN88]. **Weighted** [DMG89a, DMG89b, FO86b, FO86a, Ioa83, Toi81]. **weights** [LS83]. **Well** [TH86, IIMPL81]. **Well-posedness** [TH86]. **Which** [Bro85, Boy81, DM82a, Lag83, Olm86, dS81b]. **Whittaker** [Stu81a]. **whose** [Mah85]. **Williams** [Sha82b, Kel82c, Wil88]. **Winter** [te 86c]. **Without** [Mon85b, Ser80, AW84]. **witnesses** [EP86]. **Wong** [Mei85]. **Wrigge** [Fra81a]. **Wright** [Fet81b].

York [Car80, Che83, Dav82, Fet81d, Fet81c, Fet81e, Fet82a, KP88, Kni88, Kru83, Pex81, Sal81, Sal84, SL85, Sol86, Tem81, vK82, vK83a, vK83c, vK83d, vK83e, vK83b, vK83f, vK83g]. **Yudell** [GW84].

Zero [Pie84, Cha82a]. **zeroes** [LS83]. **Zeros** [Ben83, CS82, FMPT84, Lac84, Mah82, BvtW82, Gar84, Iga84, Kim88, Leh88a, Odl87, SSO83, te 86c, te 86d, vt83, vtW86]. **zeta** [Apo85, BvtW82, Eli86, Leh88a, Odl87, te 86c, te 86d, vt83, vtW86].

References

Allasia:1980:NET

[AB80] G. Allasia and F. Bonardo. On the numerical evaluation of two infinite products. *Mathematics of Computation*, 35(151):917–931, July 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Atkinson:1987:DGM

[AB87a] Kendall Atkinson and Alex Bogomolny. The discrete Galerkin method for integral equations. *Mathematics of Computation*, 48(178):595–616, S11–S15, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Atkinson:1987:SDG

[AB87b] Kendall Atkinson and Alex Bogomolny. Supplement to the discrete Galerkin method for integral equations. *Mathematics of Computation*, 48(178):S11–S15, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Agrawal:1980:ECC

[ACHv80] M. K. Agrawal, J. H. Coates, D. C. Hunt, and A. J. van der Poorten. Elliptic curves of conductor 11. *Mathematics of Computation*, 35(151):991–1002, July 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Archer:1982:CGM

[AD82] David Archer and Julio César Díaz. A collocation-Galerkin method for a first order hyperbolic equation with space and time dependent coefficient. *Mathematics of Computation*, 38(157):37–53, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Abbott:1988:ASP

[AD88] J. A. Abbott and J. H. Davenport. Another surprising property of 42. A remark on a paper by P. S. Wang: "Factoring multivariate polynomials over algebraic number fields" [Math. Comp. **30** (1976), no. 134, 324–336, MR **58** #27887a]. *Mathematics of Computation*, 51(184):837–839, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Adams:1984:SQP

[Ada84] William W. Adams. Splitting of quartic polynomials. *Mathematics of Computation*, 43(167):329–343, July 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Adams:1987:CPT

[Ada87] William W. Adams. Characterizing pseudoprimes for third-order linear recurrences. *Mathematics of Computation*, 48(177):1–15, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Adler:1983:BMT

[Adl83] Andrew Adler. On the bisection method for triangles. *Mathematics of Computation*, 40(162):571–574, April 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Arnold:1981:SFE

[ADT81] Douglas N. Arnold, Jim Douglas, Jr., and Vidar Thomée. Superconvergence of a finite element approximation to the

solution of a Sobolev equation in a single space variable. *Mathematics of Computation*, 36(153):53–63, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Adleman:1987:SBQ

[AEM87] Leonard M. Adleman, Dennis R. Estes, and Kevin S. McCurley. Solving bivariate quadratic congruences in random polynomial time. *Mathematics of Computation*, 48(177):17–28, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Axelsson:1983:PTL

[AG83] O. Axelsson and I. Gustafsson. Preconditioning and two-level multigrid methods of arbitrary degree of approximation. *Mathematics of Computation*, 40 (161):219–242, January 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Avdelas:1981:OAO

[AH81] G. Avdelas and A. Hadjidimos. Optimum accelerated overrelaxation method in a special case. *Mathematics of Computation*, 36(153):183–187, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Ash:1981:OND

[AJ81] J. Marshall Ash and Roger L. Jones. Optimal numerical differentiation using three function evaluations. *Mathematics of Computation*, 37(155):159–167, July 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Albertsen:1983:NTA

[AJS83] N. C. Albertsen, G. Jacobsen, and S. B. Sørensen. Nonlinear transformations for accelerating the convergence of M-dimensional series. *Mathematics of Computation*, 41(164):623–634, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Aziz:1981:FEA

[AK81] A. K. Aziz and R. Bruce Kellogg. Finite element analysis of a scattering problem. *Mathematics of Computation*, 37(156): 261–272, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Akrivis:1985:ENC

[Akr85] G. Akrivis. The error norm of certain Gaussian quadrature formulae. *Mathematics of Computation*, 45(172):513–519, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Aziz:1985:LSM

[AKS85] A. K. Aziz, R. B. Kellogg, and A. B. Stephens. Least squares methods for elliptic systems. *Mathematics of Computation*, 44(169):53–70, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Adleman:1981:PTA

[AL81] Leonard Adleman and Frank Thomson Leighton. An $O(n^{1/10.89})$ primality testing algorithm. *Mathematics of Computation*, 36(153):261–266, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Alex:1985:DE

[Ale85] Leo J. Alex. On the Diophantine equation $1 + 2^a = 3^b5^c + 2^d3^e5^f$. *Mathematics of Computation*, 44(169):267–278, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Alfeld:1980:MST

[Alf80] Peter Alfeld. A method of skipping the transient phase in the solution of separably stiff ordinary initial value problems. *Mathematics of Computation*, 35(152): 1173–1176, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Alfeld:1982:FPI

[Alf82] Peter Alfeld. Fixed point iteration with inexact function values. *Mathematics of Computation*, 38(157):87–98, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Ang:1989:CVR

[ALS89] D. D. Ang, John Lund, and Frank Stenger. Complex variable and regularization methods of inversion of the Laplace transform. *Mathematics of Computation*, 53(188):589–608, October 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Aziz:1989:CFE

[AM89] A. K. Aziz and Peter Monk. Continuous finite elements in space and time for the heat equation. *Mathematics of Computation*, 52(186):255–274, April 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

AMS:1984:CIM

[AMS84] AMS. *Cumulative Index to Mathematics of Computation, Volumes 24–43, 1970–1984*. Mathematics of Computation. American Mathematical Society, Providence, RI, USA, October 1984. CODEN MCMPAF. ISBN 0-8218-0093-0. ISSN 0025-5718 (print), 1088-6842 (electronic). vii + 503 pp.

Anand:1980:NSN

[Ana80] Indu Mati Anand. Numerical stability of nested dissection orderings. *Mathematics of Computation*, 35(152):1235–1249, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Ananthakrishnaiah:1987:SOM

[Ana87] U. Ananthakrishnaiah. P-stable Obrechkoff methods with minimal phase-lag for periodic initial value problems. *Mathematics of Computation*, 49 (180):553–559, October 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Anonymous:1980:C

[Ano80] Anonymous. Corrigenda. *Mathematics of Computation*, 34(150):652, April 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Anonymous:1988:C

[Ano88a] Anonymous. Corrigendum. *Mathematics of Computation*, 50(181):359, January 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Anonymous:1988:TEB

[Ano88b] Anonymous. Table errata: *The book of squares* [Academic Press, Boston, Mass., 1987, MR 88m:01021a] by L. P. Fibonacci. *Mathematics of Computation*, 50(182):654, April 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Adleman:1983:ITF

[AO83] Leonard M. Adleman and Andrew M. Odlyzko. Irreducibility testing and factorization of polynomials. *Mathematics of Computation*, 41(164):699–709,

October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Apostol:1985:FHD

[Apo85] Tom M. Apostol. Formulas for higher derivatives of the Riemann zeta function. *Mathematics of Computation*, 44 (169):223–232, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Arnold:1983:STG

[Arn83] Douglas N. Arnold. A spline-trigonometric Galerkin method and an exponentially convergent boundary integral method. *Mathematics of Computation*, 41(164):383–397, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Adams:1982:SPT

[AS82] William Adams and Daniel Shanks. Strong primality tests that are not sufficient. *Mathematics of Computation*, 39(159):255–300, July 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Allgower:1986:CVP

[AS86] Eugene L. Allgower and Phillip H. Schmidt. Computing volumes of polyhedra. *Mathematics of Computation*, 46 (173):171–174, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Arscott:1983:NCE

[ATZ83] F. M. Arscott, P. J. Taylor, and R. V. M. Zahar. On the numerical construction of ellipsoidal wave functions. *Mathematics of Computation*, 40(161):367–380, January 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Auzinger:1987:DCM

[Auz87] Winfried Auzinger. Defect corrections for multigrid solutions of the Dirichlet problem in general domains. *Mathematics of Computation*, 48(178):471–484, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Axelsson:1985:BVT

[AV85a] A. O. H. Axelsson and J. G. Verwer. Boundary value techniques for initial value problems in ordinary differential equations. *Mathematics of Computation*, 45(171):153–171, S1–S4, July 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Axelsson:1985:SBV

[AV85b] A. O. H. Axelsson and J. G. Verwer. Supplement to boundary value techniques for initial value problems in ordinary differential equations. *Mathematics of Computation*, 45(171):S1–S4, July 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Arnold:1982:SFE

[AW82] Douglas N. Arnold and Ragnar Winther. A superconvergent finite element method for the Korteweg–de Vries equation. *Mathematics of Computation*, 38 (157):23–36, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Arnold:1983:ACC

[AW83] Douglas N. Arnold and Wolfgang L. Wendland. On the asymptotic convergence of collocation methods. *Mathematics of Computation*, 41(164):349–381, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Ascher:1984:CSP

[AW84] U. Ascher and R. Weiss. Collocation for singular perturbation problems. II. Linear first order systems without turning points. *Mathematics of Computation*, 43(167):157–187, July 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Afflerbach:1989:EDR

[AW89] Lothar Afflerbach and Rainer Weilbächer. The exact determination of rectangle discrepancy for linear congruential pseudorandom numbers. *Mathematics of Computation*, 53(187):343–354, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Backstrom:1980:TEM

[Bac80] Robert P. Backstrom. Table errata: "A method of factoring and the factorization of F_7" [Math. Comp. **29** (1975), 183–205, MR **51** #8017] by M. A. Morrison and J. Brillhart. *Mathematics of Computation*, 35(152):1444, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bailey:1988:CDD

[Bai88a] David H. Bailey. The computation of π to 29,360,000 decimal digits using Borweins' quartically convergent algorithm. *Mathematics of Computation*, 50(181): 283–296, January 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bailey:1988:NRT

[Bai88b] David H. Bailey. Numerical results on the transcendence of constants involving π, e, and Euler's constant. *Mathematics of Computation*, 50(181):275–281, January 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bales:1984:SSSa

[Bal84a] Laurence A. Bales. Semidiscrete and single step fully discrete approximations for second order hyperbolic equations with time-dependent coefficients. *Mathematics of Computation*, 43(168):383–414, October 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bales:1984:SSSb

[Bal84b] Laurence A. Bales. Supplement to: "Semidiscrete and single step fully discrete approximations for second order hyperbolic equations with time-dependent coefficients". *Mathematics of Computation*, 43(168):S1–S12, October 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bauer:1986:STR

[Bau86a] Helmut F. Bauer. Supplement to table of the roots of the associated Legendre function with respect to the degree. *Mathematics of Computation*, 46(174): S29–S41, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bauer:1986:TRA

[Bau86b] Helmut F. Bauer. Tables of the roots of the associated Legendre function with respect to the degree. *Mathematics of Computation*, 46(174):601–602, S29–S41, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Belevitch:1982:SIT

[BB82] V. Belevitch and J. Boersma. On Stieltjes integral transforms involving Γ-functions. *Mathematics of Computation*, 38(157):223–226, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bigge:1985:DBD

[BB85a] J. Bigge and E. Bohl. Deformations of the bifurcation diagram due to discretization. *Mathematics of Computation*, 45(172):393–403, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bigge:1985:SSF

[BB85b] J. Bigge and E. Bohl. On the steady states of finitely many chemical cells. *Mathematics of Computation*, 44(170): 405–415, April 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Borwein:1986:MQC

[BB86] J. M. Borwein and P. B. Borwein. More quadratically converging algorithms for π. *Mathematics of Computation*, 46 (173):247–253, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Battiato:1988:TOA

[BB88] S. Battiato and W. Borho. Are there odd amicable numbers not divisible by three. *Mathematics of Computation*, 50(182): 633–637, April 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Borwein:1989:MI

[BB89] J. M. Borwein and P. B. Borwein. On the mean iteration $(a, b) \leftarrow \left(\frac{a+3b}{4}, \frac{\sqrt{ab}+b}{2}\right)$. *Mathematics of Computation*, 53(187): 311–326, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bunse:1982:CBP

[BBG82] W. Bunse and A. Bunse-Gerstner. Computation of bounds for the positive eigenvector of a nonnegative irreducible matrix by monotone iteration. *Mathematics of Computation*, 39(159):125–131, July 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Blecksmith:1986:CAI

[BBG86] Richard Blecksmith, John Brillhart, and Irving Gerst. A computer-assisted investigation of Ramanujan pairs. *Mathematics of Computation*, 46(174):731–749, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Blecksmith:1987:PRC

[BBG87] Richard Blecksmith, John Brillhart, and Irving Gerst. Parity results for certain partition functions and identities similar to theta function identities. *Mathematics of Computation*, 48(177):29–38, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Blecksmith:1988:SIP

[BBG88] Richard Blecksmith, John Brillhart, and Irving Gerst. Some infinite product identities. *Mathematics of Computation*, 51(183):301–314, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bardos:1981:VMF

[BBP81] Claude Bardos, Michel Bercovier, and Olivier Pironneau. The vortex method with finite elements. *Mathematics of Computation*, 36(153):119–136, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Butler:1982:CPMa

[BC82a] Gregory Butler and John J. Cannon. Computing in permutation and matrix groups. I. normal closure, commutator subgroups, series. *Mathematics of*

Computation, 39(160):663–670, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Butler:1982:CPMb

[BC82b] Gregory Butler and John J. Cannon. Computing in permutation and matrix groups. II. Backtrack algorithm. *Mathematics of Computation*, 39(160):671–680, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bremner:1984:E

[BC84] A. Bremner and J. W. S. Cassels. On the equation $Y^2 = X(X^2 + p)$. *Mathematics of Computation*, 42(165):257–264, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bini:1986:CCS

[BC86] D. Bini and M. Capovani. A class of cubic splines obtained through minimum conditions. *Mathematics of Computation*, 46(173):191–202, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Brent:1989:NLB

[BC89a] Richard P. Brent and Graeme L. Cohen. A new lower bound for odd perfect numbers. *Mathematics of Computation*, 53(187):431–437, S7–S24, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Brent:1989:SNL

[BC89b] Richard P. Brent and Graeme L. Cohen. Supplement to A new lower bound for odd perfect numbers. *Mathematics of Computation*, 53(187):S7–S24, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Buhler:1982:PF

[BCP82] J. P. Buhler, R. E. Crandall, and M. A. Penk. Primes of the form $n! \pm 1$ and $2 \cdot 3 \cdot 5 \cdots p \pm 1$. *Mathematics of Computation*, 38(158):639–643, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Baillie:1981:PSC

[BCW81] Robert Baillie, G. Cormack, and H. C. Williams. The problem of Sierpiński concerning $k \cdot 2^n + 1$. *Mathematics of Computation*, 37(155):229–231, July 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Baillie:1982:CPS

[BCW82] Robert Baillie, G. Cormack, and H. C. Williams. Corrigenda: "The problem of Sierpiński concerning $k \cdot 2^n + 1$" [Math. Comp. **37** (1981), no. 155, 229–231]. *Mathematics of Computation*, 39(159): 308, July 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Baker:1980:CGA

[BD80] Garth A. Baker and Vassilios A. Dougalis. On the L^∞-convergence of Galerkin approximations for second-order hyperbolic equations. *Mathematics of Computation*, 34(150):401–424, April 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bank:1981:OOP

[BD81] Randolph E. Bank and Todd Dupont. An optimal order process for solving finite element equations. *Mathematics of Computation*, 36(153):35–51, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bales:1989:CMN

[BD89a] Laurence A. Bales and Vassilios A. Dougalis. Cosine methods for nonlinear second-order hyperbolic equations. *Mathematics of Computation*, 52(186): 299–319, S15–S33, April 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bales:1989:SCM

[BD89b] Laurence A. Bales and Vassilios A. Dougalis. Supplement to cosine methods for nonlinear second-order hyperbolic equations. *Mathematics of Computation*, 52 (186):S15–S33, April 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Baker:1982:HOA

[BDK82] Garth A. Baker, Vassilios A. Dougalis, and Ohannes A. Karakashian. On a higher order accurate fully discrete Galerkin approximation to the Navier–Stokes equations. *Mathematics of Computation*, 39(160):339–375, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Baker:1983:CGA

[BDK83] Garth A. Baker, Vassilios A. Dougalis, and Ohannes A. Karakashian. Convergence of Galerkin approximations for the Korteweg–de Vries equation. *Mathematics of Computation*, 40(162):419–433, April 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bales:1985:CMS

[BDS85] Laurence A. Bales, Vassilios A. Dougalis, and Steven M. Serbin. Cosine methods for second-order hyperbolic equations with time-dependent coefficients. *Mathematics of Computation*, 45(171): 65–89, July 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Brenan:1988:BDA

[BE88a] Kathryn E. Brenan and Björn E. Engquist. Backward differentiation approximations of nonlinear differential/ algebraic systems. *Mathematics of Computation*, 51(184):659–676, S7–S16, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Brenan:1988:SBD

[BE88b] Kathryn E. Brenan and Bjorn E. Engquist. Supplement to backward differentiation approximations of nonlinear differential/algebraic systems. *Mathematics of Computation*, 51(184):S7–S16, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Beale:1986:CDV

[Bea86a] J. Thomas Beale. A convergent 3-D vortex method with grid-free stretching. *Mathematics of Computation*, 46(174): 401–424, S15–S20, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Beale:1986:SCD

[Bea86b] J. Thomas Beale. Supplement to A convergent 3-D vortex method with grid-free stretching. *Mathematics of Computation*, 46(174):S15–S20, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Benton:1983:CZT

[Ben83] T. C. Benton. Common zeros of two Bessel functions. part II. approximations and tables. *Mathematics of Com-*

putation, 41(163):203–217, July 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bendali:1984:NAEa

[Ben84a] A. Bendali. Numerical analysis of the exterior boundary value problem for the time-harmonic Maxwell equations by a boundary finite element method. part 1: The continuous problem. *Mathematics of Computation*, 43(167):29–46, July 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bendali:1984:NAEb

[Ben84b] A. Bendali. Numerical analysis of the exterior boundary value problem for the time-harmonic Maxwell equations by a boundary finite element method. part 2: The discrete problem. *Mathematics of Computation*, 43(167):47–68, July 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Berger:1985:SIM

[Ber85] Marsha J. Berger. Stability of interfaces with mesh refinement. *Mathematics of Computation*, 45(172):301–318, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Brezzi:1986:NAM

[BF86] F. Brezzi and M. Fortin. Numerical approximation of Mindlin–Reissner plates. *Mathematics of Computation*, 47(175): 151–158, July 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bohman:1988:SFD

[BF88] Jan Bohman and Carl-Erik Fröberg. The Stieltjes function—definition and properties. *Mathematics of Computation*, 51(183):281–289, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bailey:1989:NRR

[BF89a] David H. Bailey and Helaman R. P. Ferguson. Numerical results on relations between fundamental constants using a new algorithm. *Mathematics of Computation*, 53(188):649–656, October 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Buchmann:1989:CTR

[BF89b] Johannes Buchmann and David Ford. On the computation of totally real quartic fields of small discriminant. *Mathematics of Computation*, 52(185):161–174, January 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Boley:1984:MMR

[BG84] Daniel Boley and Gene H. Golub. A modified method for reconstructing periodic Jacobi matrices. *Mathematics of Computation*, 42(165):143–150, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Buhler:1985:CBS

[BGZ85] Joe P. Buhler, Benedict H. Gross, and Don B. Zagier. On the conjecture of Birch and Swinnerton-Dyer for an elliptic curve of rank 3. *Mathematics of Computation*, 44(170):473–481, April 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Borho:1986:BAN

[BH86] W. Borho and H. Hoffmann. Breeding amicable numbers in abundance. *Mathematics of Computation*, 46(173):281–293, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Berger:1984:PEA

[BHK84] Alan E. Berger, Hou De Han, and R. Bruce Kellogg. A priori estimates and analysis of a numerical method for a turning point problem. *Mathematics of Computation*, 42(166):465–492, April 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Brunner:1982:RKT

[BHN82] H. Brunner, E. Hairer, and S. P. Nørsett. Runge–Kutta theory for Volterra integral equations of the second kind. *Mathematics of Computation*, 39(159):147–163, July 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bustoz:1986:GFI

[BI86] Joaquin Bustoz and Mourad E. H. Ismail. On gamma function inequalities. *Mathematics of Computation*, 47(176):659–667, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bellen:1989:NCE

[BJVZ89] A. Bellen, Z. Jackiewicz, R. Vermiglio, and M. Zennaro. Natural continuous extensions of Runge–Kutta methods for Volterra integral equations of the second kind and their applications. *Mathematics of Computation*, 52(185):49–63, January 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Browning:1989:CNM

[BK89] G. L. Browning and H.-O. Kreiss. Comparison of numerical methods for the calculation of two-dimensional turbulence. *Mathematics of Computation*, 52(186):369–388, April 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bohmer:1988:AED

[BL88] Klaus Böhmer and John Locker. Asymptotic expansions for the discretization error of least squares solutions of linear boundary value problems. *Mathematics of Computation*, 51(183):75–91, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Blair:1982:CRC

[Bla82] J. M. Blair. Corrigenda: "Rational Chebyshev approximations for the Bickley functions $Ki_n(x)$" [Math. Comp. **32** (1978), no. 143, 876–886 and C. A. Edwards MR **57** #10999] by the author and J. H. Johnson. *Mathematics of Computation*, 38(158):657, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Banerjee:1987:AEI

[BLL87] U. Banerjee, L. J. Lardy, and A. Lutoborski. Asymptotic expansions of integrals of certain rapidly oscillating functions. *Mathematics of Computation*, 49(179):243–249, July 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bayliss:1989:SPU

[BLM89] Alvin Bayliss, Yanyan Li, and Cathleen Synge Morawetz. Scattering by a potential using hyperbolic methods. *Mathematics of Computation*, 52(186):321–338, April 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Brent:1980:SNA

[BM80] Richard P. Brent and Edwin M. McMillan. Some new algorithms for high-precision computation of Euler's constant. *Mathematics of Computation*, 34(149):305–312, January 1980. CODEN

MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Beale:1981:RCV

[BM81] J. Thomas Beale and Andrew Majda. Rates of convergence for viscous splitting of the Navier–Stokes equations. *Mathematics of Computation*, 37(156):243–259, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Beale:1982:VMC

[BM82a] J. Thomas Beale and Andrew Majda. Vortex methods. I: Convergence in three dimensions. *Mathematics of Computation*, 39(159):1–27, July 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Beale:1982:VMI

[BM82b] J. Thomas Beale and Andrew Majda. Vortex methods. II. higher order accuracy in two and three dimensions. *Mathematics of Computation*, 39(159): 29–52, July 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bremner:1982:IPT

[BM82c] Andrew Bremner and Patrick Morton. The integer points on three related elliptic curves. *Mathematics of Computation*, 39(159):235–238, July 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Brillhart:1988:STF

[BMS88a] John Brillhart, Peter L. Montgomery, and Robert D. Silverman. Supplement to tables of Fibonacci and Lucas factorizations. *Mathematics of Computation*, 50(181):S1–S15, January 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Brillhart:1988:TFL

[BMS88b] John Brillhart, Peter L. Montgomery, and Robert D. Silverman. Tables of Fibonacci and Lucas factorizations. *Mathematics of Computation*, 50(181):251–260, S1–S15, January 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Beck:1982:LBO

[BN82a] Walter E. Beck and Rudolph M. Najar. A lower bound for odd triperfects. *Mathematics of Computation*, 38(157): 249–251, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Beighton:1982:EES

[BN82b] S. Beighton and B. Noble. An error estimate for Stenger's quadrature formula. *Mathematics of Computation*, 38(158): 539–545, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Babuska:1989:FEG

[BO89] I. Babuška and J. E. Osborn. Finite element-Galerkin approximation of the eigenvalues and eigenvectors of selfadjoint problems. *Mathematics of Computation*, 52(186):275–297, April 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bojanov:1981:UON

[Boj81] Borislav D. Bojanov. Uniqueness of the optimal nodes of quadrature formulae. *Mathematics of Computation*, 36(154): 525–546, April 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Babuska:1980:AMM

[BOP80] I. Babuška, J. Osborn, and J. Pitkäranta. Analysis of mixed methods using mesh dependent norms. *Mathematics of Computation*, 35(152):1039–1062, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Borho:1981:SLP

[Bor81] W. Borho. Some large primes and amicable numbers. *Mathematics of Computation*, 36(153):303–304, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Borgers:1989:NSR

[Bör89] Christoph Börgers. On the numerical solution of the regularized Birkhoff equations. *Mathematics of Computation*, 53(187):141–156, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Boyd:1980:RPH

[Boy80a] David W. Boyd. Reciprocal polynomials having small measure. *Mathematics of Computation*, 35(152):1361–1377, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Boyd:1980:RCH

[Boy80b] John P. Boyd. The rate of convergence of Hermite function series. *Mathematics of Computation*, 35(152):1309–1316, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Boyd:1981:RCC

[Boy81] John P. Boyd. The rate of convergence of Chebyshev polynomials for functions which have asymptotic power series about one endpoint. *Mathematics of Computation*, 37(155):189–195, July 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Boyd:1982:SRA

[Boy82a] David W. Boyd. The sequence of radii of the Apollonian packing. *Mathematics of Computation*, 39(159):249–254, July 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Boyd:1982:CPR

[Boy82b] John P. Boyd. A Chebyshev polynomial rate-of-convergence theorem for Stieltjes functions. *Mathematics of Computation*, 39(159):201–206, July 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Boyd:1984:PNN

[Boy84] David W. Boyd. Pisot numbers in the neighborhood of a limit point. II. *Mathematics of Computation*, 43(168):593–602, October 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Boyd:1985:MMA

[Boy85a] David W. Boyd. The maximal modulus of an algebraic integer. *Mathematics of Computation*, 45(171):243–249, S17–S20, July 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Boyd:1985:SMM

[Boy85b] David W. Boyd. Supplement to the maximal modulus of an algebraic integer. *Mathematics of Computation*, 45(171): S17–S20, July 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Boyd:1989:RPH

[Boy89a] David W. Boyd. Reciprocal polynomials having small measure. II. *Mathematics of Computation*, 53(187):355–357, S1–S5, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Boyd:1989:SRP

[Boy89b] David W. Boyd. Supplement to reciprocal polynomials having small measure. II. *Mathematics of Computation*, 53 (187):S1–S5, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Brent:1981:FEF

[BP81] Richard P. Brent and John M. Pollard. Factorization of the eighth Fermat number. *Mathematics of Computation*, 36(154):627–630, April 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bramble:1987:NCE

[BP87] James H. Bramble and Joseph E. Pasciak. New convergence estimates for multigrid algorithms. *Mathematics of Computation*, 49(180):311–329, October 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bini:1988:EAE

[BP88a] D. Bini and V. Pan. Efficient algorithms for the evaluation of the eigenvalues of (block) banded Toeplitz matrices. *Mathematics of Computation*, 50(182):431–448, April 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bramble:1988:CPT

[BP88b] James H. Bramble and Joseph E. Pasciak. Corrigenda: "A preconditioning technique for indefinite systems resulting from mixed approximations of elliptic problems". *Mathematics of Computation*, 51(183):387–388, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bramble:1988:PTI

[BP88c] James H. Bramble and Joseph E. Pasciak. A preconditioning technique for indefinite systems resulting from mixed approximations of elliptic problems. *Mathematics of Computation*, 50(181):1–17, January 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Buchmann:1989:CIU

[BP89a] Johannes Buchmann and Attila Pethö. Computation of independent units in number fields by Dirichlet's method. *Mathematics of Computation*, 52(185): 149–159, S1–S14, January 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Buchmann:1989:SCI

[BP89b] Johannes Buchmann and Attila Petho. Supplement to computation of independent units in number fields by Dirichlet's method. *Mathematics of Computation*, 52(185):S1–S14, January 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bramble:1986:CPE

[BPS86a] James H. Bramble, Joseph E. Pasciak, and Alfred H. Schatz. The construction of preconditioners for elliptic problems by substructuring. I. *Mathematics of Computation*, 47(175):103–134, July 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bramble:1986:IME

[BPS86b] James H. Bramble, Joseph E. Pasciak, and Alfred H. Schatz. An iterative method for elliptic problems on regions partitioned into substructures. *Mathematics of Computation*, 46(174):361–369, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bramble:1987:CPE

[BPS87] James H. Bramble, Joseph E. Pasciak, and Alfred H. Schatz. The construction of preconditioners for elliptic problems by substructuring, II. *Mathematics of Computation*, 49(179):1–16, July 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bramble:1988:CPE

[BPS88] James H. Bramble, Joseph E. Pasciak, and Alfred H. Schatz. The construction of preconditioners for elliptic problems by substructuring. III. *Mathematics of Computation*, 51(184):415–430, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bramble:1989:CPE

[BPS89] James H. Bramble, Joseph E. Pasciak, and Alfred H. Schatz. The construction of preconditioners for elliptic problems by substructuring. IV. *Mathematics of Computation*, 53(187):1–24, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bramble:1989:IIM

[BPST89] James H. Bramble, Joseph E. Pasciak, Peter H. Sammon, and Vidar Thomée. Incomplete iterations in multistep backward difference methods for parabolic problems with smooth and nonsmooth data. *Mathematics of Computation*, 52 (186):339–367, April 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Buchmann:1989:CUG

[BPv89] J. Buchmann, M. Pohst, and J. von Schmettow. On the computation of unit groups and class groups of totally real quartic fields. *Mathematics of Computation*, 53(187):387–397, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bramble:1988:AMA

[BPX88] James H. Bramble, Joseph E. Pasciak, and Jin Chao Xu. The analysis of multigrid algorithms for nonsymmetric and indefinite elliptic problems. *Mathematics of Computation*, 51(184):389–414, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bank:1982:AMI

[BR82] Randolph E. Bank and Donald J. Rose. Analysis of a multilevel iterative method for nonlinear finite element equations. *Mathematics of Computation*, 39(160): 453–465, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bernardi:1985:ASF

[BR85] Christine Bernardi and Geneviève Raugel. Analysis of some finite elements for the Stokes problem. *Mathematics of Computation*, 44(169):71–79, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Buekenhout:1988:SSM

[BR88] Francis Buekenhout and Sarah Rees. The subgroup structure of the Mathieu group M_{12}. *Mathematics of Computation*, 50(182):595–605, April 1988.

CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bramble:1981:LMM

[Bra81] James H. Bramble. The Lagrange multiplier method for Dirichlet's problem. *Mathematics of Computation*, 37(155): 1–11, July 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Brady:1983:DVR

[Bra83] Allen H. Brady. The determination of the value of Rado's noncomputable function $\Sigma(k)$ for four-state Turing machines. *Mathematics of Computation*, 40(162): 647–665, April 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Braess:1984:CRM

[Bra84] Dietrich Braess. The convergence rate of a multigrid method with Gauss–Seidel relaxation for the Poisson equation. *Mathematics of Computation*, 42 (166):505–519, April 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Brent:1980:FOC

[Bre80] Richard P. Brent. The first occurrence of certain large prime gaps. *Mathematics of Computation*, 35(152):1435–1436, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Brent:1982:SPP

[Bre82a] Richard P. Brent. Succinct proofs of primality for the factors of some Fermat numbers. *Mathematics of Computation*, 38(157):253–255, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Brezinski:1982:SNC

[Bre82b] Claude Brezinski. Some new convergence acceleration methods. *Mathematics of Computation*, 39(159):133–145, July 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Brenner:1989:OOM

[Bre89a] Susanne C. Brenner. An optimal-order multigrid method for P1 nonconforming finite elements. *Mathematics of Computation*, 52(185):1–15, January 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Brezinski:1989:PEE

[Bre89b] Claude Brezinski. Procedures for estimating the error in Padé approximation. *Mathematics of Computation*, 53(188): 639–648, October 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Brillhart:1980:NIT

[Bri80] John Brillhart. Note on irreducibility testing. *Mathematics of Computation*, 35(152):1379–1381, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Brillhart:1982:TEN

[Bri82] John Brillhart. Table errata: "New primality criteria and factorizations of $2^m \pm$ *and*1" [Math. Comp. **29** (1975), 620–647 and D. H. Lehmer MR **52** #5546] by the author and J. L. Selfridge. *Mathematics of Computation*, 39(160):747, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Brown:1984:NNS

[Bro84a] David L. Brown. A note on the numerical solution of the wave equation with

piecewise smooth coefficients. *Mathematics of Computation*, 42(166):369–391, April 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Brown:1984:DE

[Bro84b] M. L. Brown. On the Diophantine equation $\sum X_i = \prod X_i$. *Mathematics of Computation*, 42(165):239–240, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Brown:1985:SWA

[Bro85] Ezra Brown. Sets in which $xy + k$ is always a square. *Mathematics of Computation*, 45(172):613–620, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Brunotte:1982:CCM

[Bru82] Horst Brunotte. The computation of a certain metric invariant of an algebraic number field. *Mathematics of Computation*, 38(158):627–632, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Brunner:1984:IRK

[Bru84] Hermann Brunner. Implicit Runge–Kutta methods of optimal order for Volterra integro-differential equations. *Mathematics of Computation*, 42(165): 95–109, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Brunner:1985:NSW

[Bru85] Hermann Brunner. The numerical solution of weakly singular Volterra integral equations by collocation on graded meshes. *Mathematics of Computation*, 45(172):417–437, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Brunner:1989:CMN

[Bru89] Hermann Brunner. Collocation methods for nonlinear Volterra integro-differential equations with infinite delay. *Mathematics of Computation*, 53(188): 571–587, October 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bramble:1980:EHO

[BS80] James H. Bramble and Peter H. Sammon. Efficient higher order single step methods for parabolic problems: Part I. *Mathematics of Computation*, 35(151): 655–677, July 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Byrd:1984:CQR

[BS84] Paul F. Byrd and Lawrence Stalla. Chebyshev quadrature rules for a new class of weight functions. *Mathematics of Computation*, 42(165):173–181, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Babuska:1988:VFE

[BS88a] I. Babuška and Manil Suri. The p-version of the finite element method for constraint boundary conditions. *Mathematics of Computation*, 51(183):1–13, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bialecki:1988:SNM

[BS88b] Bernard Bialecki and Frank Stenger. Sinc–Nyström method for numerical solution of one-dimensional Cauchy singular integral equation given on a smooth arc in the complex plane. *Mathematics of Computation*, 51(183):133–165, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bach:1989:FCP

[BS89] Eric Bach and Jeffrey Shallit. Factoring with cyclotomic polynomials. *Mathematics of Computation*, 52(185):201–219, January 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Berger:1980:GOS

[BSC+80] Alan E. Berger, Jay M. Solomon, Melvyn Ciment, Stephen H. Leventhal, and Bernard C. Weinberg. Generalized OCI schemes for boundary layer problems. *Mathematics of Computation*, 35(151):695–731, July 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Berger:1981:AUA

[BSC81] Alan E. Berger, Jay M. Solomon, and Melvyn Ciment. An analysis of a uniformly accurate difference method for a singular perturbation problem. *Mathematics of Computation*, 37(155):79–94, July 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Buck:1987:CNO

[BSSW87] Nicholas Buck, Lones Smith, Blair K. Spearman, and Kenneth S. Williams. The cyclotomic numbers of order fifteen. with microfiche supplement. *Mathematics of Computation*, 48(177):67–83, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bremner:1983:IP

[BT83] Andrew Bremner and Nicholas Tzanakis. Integer points on $y^2 = x^3 - 7x + 10$. *Mathematics of Computation*, 41(164):731–741, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Berrut:1987:ENM

[BT87] Jean-Paul Berrut and Manfred R. Trummer. Equivalence of Nyström's method and Fourier methods for the numerical solution of Fredholm integral equations. *Mathematics of Computation*, 48(178):617–623, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Buchmann:1987:CFU

[Buc87] Johannes Buchmann. The computation of the fundamental unit of totally complex quartic orders. *Mathematics of Computation*, 48(177):39–54, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Buell:1984:ESU

[Bue84] Duncan A. Buell. The expectation of success using a Monte Carlo factoring method—some statistics on quadratic class numbers. *Mathematics of Computation*, 43(167):313–327, July 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Buell:1987:CGQ

[Bue87a] Duncan A. Buell. Class groups of quadratic fields. II. *Mathematics of Computation*, 48(177):85–93, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Buell:1987:ISC

[Bue87b] Duncan A. Buell. Integer squares with constant second difference. *Mathematics of Computation*, 49(180):635–644, October 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bultheel:1980:RAM

[Bul80] Adhemar Bultheel. Recursive algorithms for the matrix Padé problem. *Mathematics of Computation*, 35(151):875–892, July 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bunch:1982:NSD

[Bun82] James R. Bunch. A note on the stable decomposition of skew symmetric matrices. *Mathematics of Computation*, 38(158):475–479, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Brent:1982:ZRZ

[BvtW82] R. P. Brent, J. van de Lune, H. J. J. te Riele, and D. T. Winter. On the zeros of the Riemann zeta function in the critical strip. II. *Mathematics of Computation*, 39(160):681–688, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Baillie:1980:LP

[BW80] Robert Baillie and Samuel S. Wagstaff, Jr. Lucas pseudoprimes. *Mathematics of Computation*, 35(152):1391–1417, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Bank:1985:SPE

[BW85] R. E. Bank and A. Weiser. Some a posteriori error estimators for elliptic partial differential equations. *Mathematics of Computation*, 44(170):283–301, April 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Buchmann:1987:PIT

[BW87] Johannes Buchmann and H. C. Williams. On principal ideal testing in totally complex quartic fields and the determination of certain cyclotomic constants. *Mathematics of Computation*, 48(177):55–66, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Buchmann:1988:IPI

[BW88] Johannes Buchmann and H. C. Williams. On the infrastructure of the principal ideal class of an algebraic number field of unit rank one. *Mathematics of Computation*, 50(182):569–579, April 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Buchmann:1989:CCN

[BW89] Johannes Buchmann and H. C. Williams. On the computation of the class number of an algebraic number field. *Mathematics of Computation*, 53(188):679–688, October 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cantor:1987:CJH

[Can87] David G. Cantor. Computing in the Jacobian of a hyperelliptic curve. *Mathematics of Computation*, 48(177):95–101, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Canuto:1988:SMM

[Can88] Claudio Canuto. Spectral methods and a maximum principle. *Mathematics of Computation*, 51(184):615–629, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

CarlsonGallas:1980:TET

[Car80] Jason A. Carlson Gallas. Table errata: *Table of integrals, series Gallas and products* [English translation of the fourth Russian edition, Academic Press,

New York, 1965 and MR **33** #5952] by I. S. Gradšteĭn and I. M. Ryžik. *Mathematics of Computation*, 35(152): 1444, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Carlson:1987:STE

[Car87a] B. C. Carlson. Supplement to A table of elliptic integrals of the second kind. *Mathematics of Computation*, 49(180): S13–S17, October 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Carlson:1987:TEI

[Car87b] B. C. Carlson. A table of elliptic integrals of the second kind. *Mathematics of Computation*, 49(180):595–606, S13–S17, October 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Carlson:1988:STE

[Car88a] B. C. Carlson. Supplement to A table of elliptic integrals of the third kind. *Mathematics of Computation*, 51(183): S1–S5, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Carlson:1988:TEI

[Car88b] B. C. Carlson. A table of elliptic integrals of the third kind. *Mathematics of Computation*, 51(183):267–280, S1–S5, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Carlson:1989:TEI

[Car89] B. C. Carlson. A table of elliptic integrals: Cubic cases. *Mathematics of Computation*, 53(187):327–333, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cash:1980:NOA

[Cas80] J. R. Cash. A note on Olver's algorithm for the solution of second-order linear difference equations. *Mathematics of Computation*, 35(151):767–772, July 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cash:1983:BRKa

[Cas83a] J. R. Cash. Block Runge–Kutta methods for the numerical integration of initial value problems in ordinary differential equations. part I. the nonstiff case. *Mathematics of Computation*, 40(161): 175–191, January 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cash:1983:BRKb

[Cas83b] J. R. Cash. Block Runge–Kutta methods for the numerical integration of initial value problems in ordinary differential equations. part II. the stiff case. *Mathematics of Computation*, 40(161): 193–206, January 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cassels:1985:NDE

[Cas85] J. W. S. Cassels. A note on the Diophantine equation $x^3 + y^3 + z^3 = 3$. *Mathematics of Computation*, 44(169): 265–266, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cohn:1986:UCS

[CD86] Harvey Cohn and Jesse Deutsch. Use of a computer scan to prove $\mathbf{Q}(\sqrt{2+\sqrt{2}})$ and $\mathbf{Q}(\sqrt{3+\sqrt{2}})$ are Euclidean. *Mathematics of Computation*, 46(173):295–299, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cohn:1987:ASM

[CD87] Harvey Cohn and Jesse Deutsch. Application of symbolic manipulation to Hecke transformations of modular forms in two variables. *Mathematics of Computation*, 48(177):139–146, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cohn:1988:EME

[CD88] Harvey Cohn and Jesse Deutsch. An explicit modular equation in two variables for $Q(\sqrt{3})$. *Mathematics of Computation*, 50(182):557–568, April 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Chui:1988:IMS

[CDR88] Charles K. Chui, Harvey Diamond, and Louise A. Raphael. Interpolation by multivariate splines. *Mathematics of Computation*, 51(183):203–218, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Costabel:1988:CCM

[CES88] M. Costabel, V. J. Ervin, and E. P. Stephan. On the convergence of collocation methods for Symm's integral equation on open curves. *Mathematics of Computation*, 51(183):167–179, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Crouzeix:1989:NFE

[CF89] Michel Crouzeix and Richard S. Falk. Nonconforming finite elements for the Stokes problem. *Mathematics of Computation*, 52(186):437–456, April 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Chandler:1988:PIC

[CG88] G. A. Chandler and I. G. Graham. Product integration-collocation methods for noncompact integral operator equations. *Mathematics of Computation*, 50(181): 125–138, January 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Calio:1986:CGK

[CGM86a] Franca Caliò, Walter Gautschi, and Elena Marchetti. On computing Gauss–Kronrod quadrature formulae. *Mathematics of Computation*, 47(176):639–650, S57–S63, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Calio:1986:SCG

[CGM86b] Franca Calio, Walter Gautschi, and Elena Marchetti. Supplement to on computing Gauss–Kronrod quadrature formulae. *Mathematics of Computation*, 47 (176):S57–S63, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cai:1989:ENS

[CGS89] Wei Cai, David Gottlieb, and Chi-Wang Shu. Essentially nonoscillatory spectral Fourier methods for shock wave calculations. *Mathematics of Computation*, 52(186):389–410, April 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Conn:1988:TCM

[CGT88] Andrew R. Conn, Nicholas I. M. Gould, and Philippe L. Toint. Testing a class of methods for solving minimization problems with simple bounds on the variables. *Mathematics of Computation*, 50(182):399–430, April 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Chen:1984:ACH

[CH84] Han Lin Chen and Tron Hvaring. Approximation of complex harmonic functions by complex harmonic splines. *Mathematics of Computation*, 42(165): 151–164, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Chui:1989:DBS

[CH89] Charles K. Chui and Tian Xiao He. On the dimension of bivariate superspline spaces. *Mathematics of Computation*, 53(187):219–234, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Char:1980:SCF

[Cha80] Bruce W. Char. On Stieltjes' continued fraction for the gamma function. *Mathematics of Computation*, 34(150): 547–551, April 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Chambers:1982:UBF

[Cha82a] Ll. G. Chambers. An upper bound for the first zero of Bessel functions. *Mathematics of Computation*, 38(158):589–591, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Chang:1982:CEM

[Cha82b] S. H. Chang. On certain extrapolation methods for the numerical solution of integro-differential equations. *Mathematics of Computation*, 39(159):165–171, July 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Chan:1984:ECF

[Cha84] Tony F. Chan. On the existence and computation of LU-factorizations with small pivots. *Mathematics of Computation*, 42(166):535–547, April 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). Citation communicated by Per Christian Hansen.

Chan:1985:CEC

[Cha85] Tony F. Chan. Corrigendum: "On the existence and computation of LU-factorizations with small pivots" [Math. Comp. **42** (1984), no. 166, 535–547, MR 85i:65037]. *Mathematics of Computation*, 44(169):282, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Chang:1987:NSS

[Cha87] Chien-Cheng Chang. Numerical solution of stochastic differential equations with constant diffusion coefficients. *Mathematics of Computation*, 49(180):523–542, October 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Chen:1982:AEE

[Che82] T. H. Charles Chen. Asymptotic error estimates for Gaussian quadrature formulas. *Mathematics of Computation*, 38 (157):143–152, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Chen:1983:TEM

[Che83] T. Charles Chen. Table errata: *Methods of numerical integration* [Academic Press, New York, 1975, MR **56** #7119] by P. J. Davis and P. Rabinowitz. *Mathematics of Computation*, 40(161):417, January 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Chow:1982:UBA

[Cho82] Jeff Chow. On the uniqueness of best $L_2[0,1]$ approximation by piecewise polynomials with variable breakpoints. *Mathematics of Computation*, 39(160): 571–585, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Chui:1987:CIM

[CJW87] C. K. Chui, K. Jetter, and J. D. Ward. Cardinal interpolation by multivariate splines. *Mathematics of Computation*, 48(178):711–724, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cohn:1983:EFG

[CL83] H. Cohn and J. C. Lagarias. On the existence of fields governing the 2-invariants of the classgroup of $Q(\sqrt{dp})$ as p varies. *Mathematics of Computation*, 41(164): 711–730, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cohen:1984:PTJ

[CL84a] H. Cohen and H. W. Lenstra, Jr. Primality testing and Jacobi sums. *Mathematics of Computation*, 42(165):297–330, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Crandall:1984:TAS

[CL84b] M. G. Crandall and P. L. Lions. Two approximations of solutions of Hamilton–Jacobi equations. *Mathematics of Computation*, 43(167):1–19, July 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cohen:1987:INP

[CL87a] H. Cohen and A. K. Lenstra. Implementation of a new primality test. *Mathematics of Computation*, 48(177):103–121, S1–S4, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cohen:1987:SIN

[CL87b] H. Cohen and A. K. Lenstra. Supplement to implementation of a new primality test. *Mathematics of Computation*, 48(177):s1–s4, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Crandall:1980:MDA

[CM80] Michael G. Crandall and Andrew Majda. Monotone difference approximations for scalar conservation laws. *Mathematics of Computation*, 34(149):1–21, January 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Coleman:1983:CEB

[CM83] J. P. Coleman and A. J. Monaghan. Chebyshev expansions for the Bessel function $J_n(z)$ in the complex plane. *Mathematics of Computation*, 40(161): 343–366, January 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cohen:1987:CGN

[CM87a] H. Cohen and J. Martinet. Class groups of number fields: Numerical heuristics. *Mathematics of Computation*, 48(177): 123–137, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Criscuolo:1987:CIP

[CM87b] Giuliana Criscuolo and Giuseppe Mastroianni. On the convergence of an in-

terpolatory product rule for evaluating Cauchy principal value integrals. *Mathematics of Computation*, 48(178):725–735, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Chen:1983:SEE

[CMSY83] Goong Chen, Wendell H. Mills, Jr., Shun Hua Sun, and David A. Yost. Sharp error estimates for a finite element-penalty approach to a class of regulator problems. *Mathematics of Computation*, 40(161):151–173, January 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cayco:1986:FET

[CN86] M. E. Cayco and R. A. Nicolaides. Finite element technique for optimal pressure recovery from stream function formulation of viscous flows. *Mathematics of Computation*, 46(174):371–377, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Chiu:1988:CHO

[CN88] C. Chiu and R. A. Nicolaides. Convergence of a higher-order vortex method for two-dimensional Euler equations. *Mathematics of Computation*, 51(184):507–534, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cohn:1982:EME

[Coh82] Harvey Cohn. An explicit modular equation in two variables and Hilbert's twelfth problem. *Mathematics of Computation*, 38(157):227–236, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cohen:1984:PAN

[Coh84] Graeme L. Cohen. Primitive α-abundant numbers. *Mathematics of Computation*, 43(167):263–270, July 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cohn:1988:FTV

[Coh88] Harvey Cohn. Fricke's two-valued modular equations. *Mathematics of Computation*, 51(184):787–807, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Colman:1982:NPI

[Col82] W. J. A. Colman. The number of partitions of the integer N into M nonzero positive integers. *Mathematics of Computation*, 39(159):213–224, July 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Comodi:1989:HHJ

[Com89] M. I. Comodi. The Hellan–Herrmann–Johnson method: some new error estimates and postprocessing. *Mathematics of Computation*, 52(185):17–29, January 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Corliss:1980:IOC

[Cor80] George F. Corliss. Integrating ODEs in the complex plane—pole vaulting. *Mathematics of Computation*, 35(152):1181–1189, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Costello:1982:DPI

[Cos82] Patrick J. Costello. Density problems involving $p_r(n)$. *Mathematics of Computation*, 38(158):633–637, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Costantini:1986:MCS

[Cos86] Paolo Costantini. On monotone and convex spline interpolation. *Mathematics of Computation*, 46(173):203–214, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cottet:1987:CVC

[Cot87] G. H. Cottet. Convergence of a vortex in cell method for the two-dimensional Euler equations. *Mathematics of Computation*, 49(180):407–425, October 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Canuto:1982:ARO

[CQ82] C. Canuto and A. Quarteroni. Approximation results for orthogonal polynomials in Sobolev spaces. *Mathematics of Computation*, 38(157):67–86, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Crisci:1982:SCM

[CR82] M. R. Crisci and E. Russo. A-stability of a class of methods for the numerical integration of certain linear systems of ordinary differential equations. *Mathematics of Computation*, 38(158):431–435, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Crisci:1983:EOR

[CR83] M. R. Crisci and E. Russo. An extension of Ortiz' recursive formulation of the tau method to certain linear systems of ordinary differential equations. *Mathematics of Computation*, 41(163):27–42, July 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cooper:1980:AMN

[CS80a] G. J. Cooper and A. Sayfy. Additive methods for the numerical solution of ordinary differential equations. *Mathematics of Computation*, 35(152):1159–1172, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cruz:1980:MPR

[CS80b] Andrés Cruz and Javier Sesma. Modulus and phase of the reduced logarithmic derivative of the cylindrical Bessel function. *Mathematics of Computation*, 35(152):1317–1324, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cruz:1982:ZHF

[CS82] Andrés Cruz and Javier Sesma. Zeros of the Hankel function of real order and of its derivative. *Mathematics of Computation*, 39(160):639–645, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cooper:1983:ARK

[CS83a] G. J. Cooper and A. Sayfy. Additive Runge–Kutta methods for stiff ordinary differential equations. *Mathematics of Computation*, 40(161):207–218, January 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cruz:1983:MPR

[CS83b] Andrés Cruz and Javier Sesma. Modulus and phase of the reduced logarithmic derivative of the Hankel function. *Mathematics of Computation*, 41(164): 597–605, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Coleman:1987:FPC

[CS87a] John P. Coleman and Russell A. Smith. The Faber polynomials for circular sectors. *Mathematics of Computation*, 49

(179):231–241, S1–S4, July 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Costabel:1987:CCM

[CS87b] Martin Costabel and Ernst P. Stephan. On the convergence of collocation methods for boundary integral equations on polygons. *Mathematics of Computation*, 49(180):461–478, October 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cusick:1987:TFP

[CS87c] T. W. Cusick and Lowell Schoenfeld. A table of fundamental pairs of units in totally real cubic fields. *Mathematics of Computation*, 48(177):147–158, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cockburn:1989:TRK

[CS89] Bernardo Cockburn and Chi-Wang Shu. TVB Runge–Kutta local projection discontinuous Galerkin finite element method for conservation laws. II. General framework. *Mathematics of Computation*, 52(186):411–435, April 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Coleman:1987:SFP

[CsAS87] John P. Coleman and Russel [sic] A. Smith. Supplement to "The Faber Polynomials for Circular Sectors". *Mathematics of Computation*, 49(179):S1–S4, July 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Creutzburg:1986:NTT

[CT86] R. Creutzburg and M. Tasche. Number-theoretic transforms of prescribed length. *Mathematics of Computation*, 47 (176):693–701, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Chen:1987:BEN

[CT87a] Goong Chen and Ying-Liang Tsai. The boundary element numerical method for two-dimensional linear quadratic elliptic problems. I. Neumann control. *Mathematics of Computation*, 49(180):479–498, October 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Crouzeix:1987:SPF

[CT87b] M. Crouzeix and V. Thomée. The stability in L_p and W_p^1 of the L_2-projection onto finite element function spaces. *Mathematics of Computation*, 48(178):521–532, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Crouzeix:1987:DTS

[CT87c] Michel Crouzeix and Vidar Thomée. On the discretization in time of semilinear parabolic equations with nonsmooth initial data. *Mathematics of Computation*, 49(180):359–377, October 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Creutzburg:1989:PDC

[CT89] R. Creutzburg and M. Tasche. Parameter determination for complex number-theoretic transforms using cyclotomic polynomials. *Mathematics of Computation*, 52(185):189–200, January 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Crouzeix:1989:EES

[CTW89] M. Crouzeix, V. Thomée, and L. B. Wahlbin. Error estimates for spatially discrete approximations of semilinear parabolic equations with initial

data of low regularity. *Mathematics of Computation*, 53(187):25–41, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cuyt:1982:NSH

[Cuy82] Annie A. M. Cuyt. Numerical stability of the Halley-iteration for the solution of a system of nonlinear equations. *Mathematics of Computation*, 38(157): 171–179, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cormack:1980:SVL

[CW80] G. V. Cormack and H. C. Williams. Some very large primes of the form $k \cdot 2^m + 1$. *Mathematics of Computation*, 35(152):1419–1421, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Chui:1983:SMS

[CW83] Charles K. Chui and Ren Hong Wang. On smooth multivariate spline functions. *Mathematics of Computation*, 41(163): 131–142, July 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cherubini:1987:CAI

[CW87] Juergen M. Cherubini and Rolf V. Wallisser. On the computation of all imaginary quadratic fields of class number one. *Mathematics of Computation*, 49 (179):295–299, July 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cybenko:1983:GOT

[Cyb83] George Cybenko. A general orthogonalization technique with applications to time series analysis and signal processing. *Mathematics of Computation*, 40 (161):323–336, January 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Cantor:1981:NAF

[CZ81] David G. Cantor and Hans Zassenhaus. A new algorithm for factoring polynomials over finite fields. *Mathematics of Computation*, 36(154):587–592, April 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Darafsheh:1986:CIC

[Dar86] M. R. Darafsheh. Computing the irreducible characters of the group $GL_6(2)$. *Mathematics of Computation*, 46(173): 301–319, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Davenport:1982:TET

[Dav82] J. H. Davenport. Table errata: *Tables of indefinite integrals* [English translation, Dover, New York, 1961, MR **23** #A256] by G. Petit Bois. *Mathematics of Computation*, 38(157):335–336, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

deBoor:1985:GPT

[dD85] C. de Boor and R. DeVore. A geometric proof of total positivity for spline interpolation. *Mathematics of Computation*, 45(172):497–504, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Delfour:1986:DPA

[DD86a] M. C. Delfour and F. Dubeau. Discontinuous polynomial approximations in the theory of one-step, hybrid and multistep methods for nonlinear ordinary differential equations. *Mathematics of Computation*, 47(175):169–189, S1–S8, July 1986. CODEN MCMPAF.

ISSN 0025-5718 (print), 1088-6842 (electronic).

Delfour:1986:SDP

[DD86b] M. C. Delfour and F. Dubeau. Supplement to discontinuous polynomial approximations in the theory of one-step, hybrid and multistep methods for nonlinear ordinary differential equations. *Mathematics of Computation*, 47(175): S1–S8, July 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

deWeger:1986:PPP

[de 86] B. M. M. de Weger. Products of prime powers in binary recurrence sequences. part II: The elliptic case, with an application to a mixed quadratic-exponential equation. *Mathematics of Computation*, 47(176):729–739, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

deGee:1987:LMM

[de 87] Maarten de Gee. Linear multistep methods for functional-differential equations. *Mathematics of Computation*, 48(178): 633–649, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Deanin:1985:CCM

[Dea85] Alice A. Deanin. A counterexample to a conjecture of Mahler on best p-adic Diophantine approximation constants. *Mathematics of Computation*, 45(172): 621–632, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Dougherty:1989:NMC

[DEH89] Randall L. Dougherty, Alan S. Edelman, and James M. Hyman. Nonnegativity-, monotonicity-, or convexity-preserving cubic and quintic Hermite interpolation. *Mathematics of Computation*, 52(186): 471–494, April 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Delahaye:1981:ASS

[Del81] J. P. Delahaye. Automatic selection of sequence transformations. *Mathematics of Computation*, 37(155):197–204, July 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

DelPrete:1989:QCV

[Del89] Vincenza Del Prete. Quadratic convergence of vortex methods. *Mathematics of Computation*, 52(186):457–470, April 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Demmel:1988:PNA

[Dem88] James W. Demmel. The probability that a numerical analysis problem is difficult. *Mathematics of Computation*, 50(182): 449–480, April 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Duijvestijn:1981:NPC

[DF81] A. J. W. Duijvestijn and P. J. Federico. The number of polyhedral (3-connected planar) graphs. *Mathematics of Computation*, 37(156):523–532, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Dyn:1983:NSE

[DF83] Nira Dyn and Warren E. Ferguson, Jr. The numerical solution of equality constrained quadratic programming problems. *Mathematics of Computation*, 41(163):165–170, July 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Delfour:1981:DGM

[DHT81] M. Delfour, W. Hager, and F. Trochu. Discontinuous Galerkin methods for ordinary differential equations. *Mathematics of Computation*, 36(154):455–473, April 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Dickinson:1980:SLE

[Dic80] Bradley W. Dickinson. Solution of linear equations with rational Toeplitz matrices. *Mathematics of Computation*, 34 (149):227–233, January 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

DiDonato:1982:RRI

[DiD82] A. R. DiDonato. Recurrence relations for the indefinite integrals of the associated Legendre functions. *Mathematics of Computation*, 38(158):547–551, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Dixon:1981:AFF

[Dix81] John D. Dixon. Asymptotically fast factorization of integers. *Mathematics of Computation*, 36(153):255–260, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Djaoua:1981:MCL

[Dja81] M. Djaoua. A method of calculation of lifting flows around two-dimensional corner-shaped bodies. *Mathematics of Computation*, 36(154):405–425, April 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Dougalis:1985:SHO

[DK85] Vassilios A. Dougalis and Ohannes A. Karakashian. On some high-order accurate fully discrete Galerkin methods for the Korteweg–de Vries equation. *Mathematics of Computation*, 45(172):329–345, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Duijvestijn:1981:LOS

[DL81] A. J. W. Duijvestijn and P. Leeuw. Lowest order squared rectangles and squares with the largest element not on the boundary. *Mathematics of Computation*, 37(155):223–228, July 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Daehlen:1988:BIQ

[DL88a] Morten Dæhlen and Tom Lyche. Bivariate interpolation with quadratic box splines. *Mathematics of Computation*, 51(183):219–230, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Dennis:1988:HAS

[DL88b] J. E. Dennis, Jr. and Guang Ye Li. A hybrid algorithm for solving sparse nonlinear systems of equations. *Mathematics of Computation*, 50(181):155–166, January 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Descloux:1981:ASC

[DLR81] Jean Descloux, Mitchell Luskin, and Jacques Rappaz. Approximation of the spectrum of closed operators: the determination of normal modes of a rotating basin. *Mathematics of Computation*, 36(153):137–154, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Day:1982:TCI

[DM82a] J. D. Day and D. N. P. Murthy. Two classes of internally S-stable generalized Runge–Kutta processes which remain

consistent with an inaccurate Jacobian. *Mathematics of Computation*, 39(160): 491–509, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Dennis:1982:DSU

[DM82b] J. E. Dennis, Jr. and Earl S. Marwil. Direct secant updates of matrix factorizations. *Mathematics of Computation*, 38(158):459–474, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Dahmen:1983:LIM

[DM83] Wolfgang A. Dahmen and Charles A. Micchelli. On the linear independence of multivariate B-splines. II. complete configurations. *Mathematics of Computation*, 41(163):143–163, July 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Degond:1989:WPMa

[DMG89a] P. Degond and S. Mas-Gallic. The weighted particle method for convection-diffusion equations. part 1: The case of an isotropic viscosity. *Mathematics of Computation*, 53(188):485–507, October 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Degond:1989:WPMb

[DMG89b] P. Degond and S. Mas-Gallic. The weighted particle method for convection-diffusion equations. part 2: The anisotropic case. *Mathematics of Computation*, 53(188):509–525, October 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Demko:1984:DRI

[DMS84] Stephen Demko, William F. Moss, and Philip W. Smith. Decay rates for inverses of band matrices. *Mathematics of Computation*, 43(168):491–499, October 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Duran:1988:SMN

[DNW88] R. Durán, R. H. Nochetto, and Jun Ping Wang. Sharp maximum norm error estimates for finite element approximations of the Stokes problem in 2-D. *Mathematics of Computation*, 51(184):491–506, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Douglas:1983:NMM

[DR83] Jim Douglas, Jr. and Jean E. Roberts. Numerical methods for a model for compressible miscible displacement in porous media. *Mathematics of Computation*, 41(164):441–459, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Douglas:1985:GEM

[DR85] Jim Douglas, Jr. and Jean E. Roberts. Global estimates for mixed methods for second order elliptic equations. *Mathematics of Computation*, 44(169):39–52, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Descloux:1985:RCA

[DRS85] J. Descloux, J. Rappaz, and R. Scholz. On the rate of convergence for the approximation of nonlinear problems. *Mathematics of Computation*, 45(171): 51–64, July 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

deBoor:1980:CAE

[dS80a] Carl de Boor and Blair Swartz. Collocation approximation to eigenvalues of an

ordinary differential equation: the principle of the thing. *Mathematics of Computation*, 35(151):679–694, July 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Dupont:1980:PAF

[DS80b] Todd Dupont and Ridgway Scott. Polynomial approximation of functions in Sobolev spaces. *Mathematics of Computation*, 34(150):441–463, April 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

deBoor:1981:CAE

[dS81a] Carl de Boor and Blair Swartz. Collocation approximation to eigenvalues of an ordinary differential equation: numerical illustrations. *Mathematics of Computation*, 36(153):1–19, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

deBoor:1981:LPP

[dS81b] Carl de Boor and Blair Swartz. Local piecewise polynomial projection methods for an O.D.E. which give high-order convergence at knots. *Mathematics of Computation*, 36(153):21–33, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Dubner:1989:NMP

[Dub89] H. Dubner. A new method for producing large Carmichael numbers. *Mathematics of Computation*, 53(187):411–414, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Dudley:1987:SIC

[Dud87] R. M. Dudley. Some inequalities for continued fractions. *Mathematics of Computation*, 49(180):585–593, October 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Dupont:1982:MME

[Dup82] Todd Dupont. Mesh modification for evolution equations. *Mathematics of Computation*, 39(159):85–107, July 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Duran:1987:QOE

[Dur87] Ricardo G. Durán. Quasi-optimal estimates for finite element approximations using Orlicz norms. *Mathematics of Computation*, 49(179):17–23, July 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Dutt:1989:SCS

[Dut89] P. Dutt. Stability and convergence of spectral methods for hyperbolic initial-boundary value problems. *Mathematics of Computation*, 53(188):547–561, October 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Dunham:1981:RCD

[DW81] C. B. Dunham and Jack Williams. Rate of convergence of discretization in Chebyshev approximation. *Mathematics of Computation*, 37(155):135–139, July 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Douglas:1983:ITD

[DW83] Jim Douglas, Jr. and Mary Fanett Wheeler. Implicit, time-dependent variable grid finite difference methods for the approximation of a linear waterflood. *Mathematics of Computation*, 40(161): 107–121, January 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

deHoog:1985:ARK

[dW85a] Frank de Hoog and Richard Weiss. The application of Runge–Kutta schemes to singular initial value problems. *Mathematics of Computation*, 44(169):93–103, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Dueck:1985:CCN

[DW85b] G. Dueck and H. C. Williams. Computation of the class number and class group of a complex cubic field. *Mathematics of Computation*, 45(171):223–231, July 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Douglas:1989:ASF

[DW89] Jim Douglas, Jr. and Jun Ping Wang. An absolutely stabilized finite element method for the Stokes problem. *Mathematics of Computation*, 52(186):495–508, April 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Dyn:1984:CHB

[Dyn84] Nira Dyn. Composite Hermite–Birkhoff quadrature formulas of Gaussian type. *Mathematics of Computation*, 43(168): 535–541, October 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Easton:1986:EIM

[Eas86] David Easton. Effective irrationality measures for certain algebraic numbers. *Mathematics of Computation*, 46(174): 613–622, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Engquist:1987:SSC

[EG87] Björn Engquist and Bertil Gustafsson. Steady state computations for wave propagation problems. *Mathematics of Computation*, 49(179):39–64, July 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Eggermont:1984:APQ

[Egg84] P. P. B. Eggermont. Approximation properties of quadrature methods for Volterra integral equations of the first kind. *Mathematics of Computation*, 43 (168):455–471, October 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Eggermont:1989:UEE

[Egg89] P. P. B. Eggermont. Uniform error estimates of Galerkin methods for monotone Abel–Volterra integral equations on the half-line. *Mathematics of Computation*, 53(187):157–189, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Evans:1980:LSE

[EGL80] John W. Evans, William B. Gragg, and Randall J. LeVeque. On least squares exponential sum approximation with positive coefficients. *Mathematics of Computation*, 34(149):203–211, January 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Eichenauer-Herrmann:1989:PLP

[EHGL89] Jürgen Eichenauer-Herrmann, Holger Grothe, and Jürgen Lehn. On the period length of pseudorandom vector sequences generated by matrix generators. *Mathematics of Computation*, 52(185): 145–148, January 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Eriksson:1988:AFE

[EJ88] Kenneth Eriksson and Claes Johnson. An adaptive finite element method for linear elliptic problems. *Mathematics of Computation*, 50(182):361–383, April 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Egecioglu:1989:FAR

[EK89] Ömer Eğecioğlu and Cetin K. Koc. A fast algorithm for rational interpolation via orthogonal polynomials. *Mathematics of Computation*, 53(187):249–264, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Erdos:1988:LBC

[EKS88] P. Erdős, P. Kiss, and A. Sárközy. A lower bound for the counting function of Lucas pseudoprimes. *Mathematics of Computation*, 51(183):315–323, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Evans:1989:DNS

[EL89] D. J. Evans and C. Li. Determination of the $D^{1/2}$-norm of the SOR iterative matrix for the unsymmetric case. *Mathematics of Computation*, 53(187):203–218, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Elden:1982:TDBa

[Eld82a] Lars Eldén. Time discretization in the backward solution of parabolic equations. I. *Mathematics of Computation*, 39(159):53–68, July 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Elden:1982:TDBb

[Eld82b] Lars Eldén. Time discretization in the backward solution of parabolic equations. II. *Mathematics of Computation*, 39(159):69–84, July 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Elizalde:1986:AEF

[Eli86] E. Elizalde. An asymptotic expansion for the first derivative of the generalized Riemann zeta function. *Mathematics of Computation*, 47(175):347–350, July 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Elkies:1988:XXX

[Elk88] Noam D. Elkies. On $A^4+B^4+C^4 = D^4$. *Mathematics of Computation*, 51(184):825–835, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Ellacott:1983:CFS

[Ell83] S. W. Ellacott. Computation of Faber series with application to numerical polynomial approximation in the complex plane. *Mathematics of Computation*, 40(162):575–587, April 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Elman:1986:SAI

[Elm86] Howard C. Elman. A stability analysis of incomplete *LU* factorizations. *Mathematics of Computation*, 47(175):191–217, July 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Engquist:1989:NFE

[ELS89] Björn Engquist, Per Lötstedt, and Björn Sjögreen. Nonlinear filters for efficient shock computation. *Mathematics*

of Computation, 52(186):509–537, April 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Eichenauer:1988:NCP

[ELT88] Jürgen Eichenauer, Jürgen Lehn, and Alev Topuzoğlu. A nonlinear congruential pseudorandom number generator with power of two modulus. *Mathematics of Computation*, 51(184):757–759, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Ernvall:1987:MCI

[EM87] R. Ernvall and T. Metsänkylä. A method for computing the Iwasawa λ-invariant. *Mathematics of Computation*, 49(179):281–294, July 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Ennola:1985:RCS

[EMT85] V. Ennola, S. Mäki, and R. Turunen. On real cyclic sextic fields. *Mathematics of Computation*, 45(172):591–611, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Engl:1985:IVM

[EN85] Heinz W. Engl and Andreas Neubauer. An improved version of Marti's method for solving ill-posed linear integral equations. *Mathematics of Computation*, 45 (172):405–416, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Eriksson:1987:CAN

[EN87] Kenneth Eriksson and Yi Yong Nie. Convergence analysis for a nonsymmetric Galerkin method for a class of singular boundary value problems in one space dimension. *Mathematics of Computation*, 49(179):167–186, July 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Engquist:1980:SES

[EO80] Björn Engquist and Stanley Osher. Stable and entropy satisfying approximations for transonic flow calculations. *Mathematics of Computation*, 34(149): 45–75, January 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Engquist:1981:OSD

[EO81] Björn Engquist and Stanley Osher. One-sided difference approximations for nonlinear conservation laws. *Mathematics of Computation*, 36(154):321–351, April 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Erdos:1986:NFW

[EP86] Paul Erdős and Carl Pomerance. On the number of false witnesses for a composite number. *Mathematics of Computation*, 46(173):259–279, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Ericsson:1980:STL

[ER80] Thomas Ericsson and Axel Ruhe. The spectral transformation Lánczos method for the numerical solution of large sparse generalized symmetric eigenvalue problems. *Mathematics of Computation*, 35(152):1251–1268, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Eriksson:1985:FEM

[Eri85a] Kenneth Eriksson. Finite element methods of optimal order for problems with singular data. *Mathematics of Computation*, 44(170):345–360, April 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Eriksson:1985:HOL

[Eri85b] Kenneth Eriksson. High-order local rate of convergence by mesh-refinement in the finite element method. *Mathematics of Computation*, 45(171):109–142, July 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Eriksson:1985:IAA

[Eri85c] Kenneth Eriksson. Improved accuracy by adapted mesh-refinements in the finite element method. *Mathematics of Computation*, 44(170):321–343, April 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Eriksson:1984:GMS

[ET84] Kenneth Eriksson and Vidar Thomée. Galerkin methods for singular boundary value problems in one space dimension. *Mathematics of Computation*, 42(166): 345–367, April 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Ennola:1985:CCF

[ET85a] Veikko Ennola and Reino Turunen. On cyclic cubic fields. *Mathematics of Computation*, 45(172):585–589, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Ennola:1985:TRC

[ET85b] Veikko Ennola and Reino Turunen. On totally real cubic fields. *Mathematics of Computation*, 44(170):495–518, April 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Evans:1983:TFP

[Eva83] Ronald J. Evans. Twenty-fourth power residue difference sets. *Mathematics of Computation*, 40(162):677–683, April 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Fairweather:1984:CCS

[Fai84] G. Fairweather. Corrigenda: "A computational study of finite element methods for second-order linear two-point boundary value problems" [Math. Comp. **40** (1983), no. 162, 499–518, MR 84c:65103] by Fairweather, P. Keast and J. C. Diaz. *Mathematics of Computation*, 43(167): 347, July 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Falk:1983:EEN

[Fal83] Richard S. Falk. Error estimates for the numerical identification of a variable coefficient. *Mathematics of Computation*, 40(162):537–546, April 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Farwig:1986:RCS

[Far86] Reinhard Farwig. Rate of convergence of Shepard's global interpolation formula. *Mathematics of Computation*, 46(174): 577–590, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Fatunla:1980:NIS

[Fat80] Simeon Ola Fatunla. Numerical integrators for stiff and highly oscillatory differential equations. *Mathematics of Computation*, 34(150):373–390, April 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Fernandez-Cara:1988:CPA

[FCM88] Enrique Fernández-Cara and Carlos Moreno. Critical point approximation through exact regularization. *Mathematics of Computation*, 50(181):139–153, January 1988. CODEN MCMPAF.

ISSN 0025-5718 (print), 1088-6842 (electronic).

Ferguson:1980:CJP

[Fer80] Warren E. Ferguson, Jr. The construction of Jacobi and periodic Jacobi matrices with prescribed spectra. *Mathematics of Computation*, 35(152):1203–1220, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Fettis:1980:STI

[Fet80] Henry E. Fettis. On some trigonometric integrals. *Mathematics of Computation*, 35(152):1325–1329, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Fettis:1981:CST

[Fet81a] Henry E. Fettis. Corrigendum: "On some trigonometric integrals". *Mathematics of Computation*, 37(156):605, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Fettis:1981:TETb

[Fet81b] Henry E. Fettis. Table errata: *A table of the complete elliptic integral of the first kind for complex values of the modulus, Part I* [Rep. No. ARL 69-0172, Aerospace Res. Lab., Wright–Patterson Air Force Base, Ohio, 1969; MR **40** #6725] by Fettis and J. C. Caslin. *Mathematics of Computation*, 36(153):318, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Fettis:1981:TEHb

[Fet81c] Henry E. Fettis. Table errata: *Handbook of elliptic integrals for engineers and physicists* [second edition, Springer, New York, 1971 and MR **43** #3506] by P. F. Byrd and M. D. Friedman. *Mathematics of Computation*, 36(153):317, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Fettis:1981:TEHa

[Fet81d] Henry E. Fettis. Table errata: *Higher transcendental functions, Vol. II* [McGraw-Hill, New York, 1953, F. Oberhettinger MR **15**, 419] by A. Erdélyi, W. Magnus and F. G. Tricomi. *Mathematics of Computation*, 36(153):315, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Fettis:1981:TETa

[Fet81e] Henry E. Fettis. Table errata: *Table of integrals, series, and products* [English translation of the fourth Russian edition, Academic Press, New York, 1965; MR **33** #5952] by I. S. Gradshteyn [I. S. Gradšteĭn] and I. M. Ryzhik [I. M. Ryžik]. *Mathematics of Computation*, 36(153):317–318, 320, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Fettis:1982:CETb

[Fet82a] Henry E. Fettis. Corrigenda: "Erratum: *Table of integrals, series, and products* [Academic Press, New York, 1965 and MR **33** #5952] by I. S. Gradshteĭn and I. M. Ryzhik" [Math. Comp. **27** (1973), 451–452, MR **54** #4049] by A. Ojo and J. Sadiku. *Mathematics of Computation*, 38(158):657, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Fettis:1982:CETa

[Fet82b] Henry E. Fettis. Corrigendum: "Table errata: *Table of integrals, series, and products* by I. S. Gradšteĭn and I. M. Ryžik" [Math. Comp. **36** (1981), no.

153, 317–318], MR 82a:65009. *Mathematics of Computation*, 38(157):337, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Fettis:1984:MTI

[Fet84a] Henry E. Fettis. More trigonometric integrals. *Mathematics of Computation*, 43 (168):557–564, October 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Fettis:1984:TEF

[Fet84b] Henry E. Fettis. Table errata: *Formulas and theorems for the special functions of mathematical physics* [second edition, Springer, Berlin, 1948 and 38] by W. Magnus MR **10** and F. Oberhettinger. (German). *Mathematics of Computation*, 43(167):346, July 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Fettis:1985:FEL

[Fet85] Henry E. Fettis. Further extensions of a Legendre function integral. *Mathematics of Computation*, 45(172):549–552, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Funaro:1988:NMI

[FG88] D. Funaro and D. Gottlieb. A new method of imposing boundary conditions in pseudospectral approximations of hyperbolic equations. *Mathematics of Computation*, 51(184):599–613, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Fredricksen:1986:GST

[FHS86] Harold M. Fredricksen, Alfred W. Hales, and Melvin M. Sweet. A generalization of Swan's theorem. *Mathematics of Computation*, 46(173):321–331, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Field:1981:ADI

[Fie81] David A. Field. An algorithm for determining invertible quadratic isoparametric finite element transformations. *Mathematics of Computation*, 37(156):347–360, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Fishelov:1988:SSC

[Fis88] Dalia Fishelov. The spectrum and the stability of the Chebyshev collocation operator for transonic flow. *Mathematics of Computation*, 51(184):559–579, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Fletcher:1985:SAU

[FM85] R. Fletcher and S. P. J. Matthews. A stable algorithm for updating triangular factors under a rank one change. *Mathematics of Computation*, 45(172):471–485, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Falk:1986:LCD

[FM86] R. S. Falk and P. B. Monk. Logarithmic convexity for discrete harmonic functions and the approximation of the Cauchy problem for Poisson's equation. *Mathematics of Computation*, 47(175): 135–149, July 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Ferguson:1984:ZMT

[FMPT84] H. R. P. Ferguson, R. D. Major, K. E. Powell, and H. G. Throolin. On zeros of Mellin transforms of $\mathrm{SL}_2(\mathbf{Z})$ cusp forms.

Mathematics of Computation, 42(165): 241–255, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Freilich:1982:NSS

[FO82] J. H. Freilich and E. L. Ortiz. Numerical solution of systems of ordinary differential equations with the Tau method: an error analysis. *Mathematics of Computation*, 39(160):467–479, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Forster:1986:WCT

[FO86a] Klaus-Jürgen Förster and Georg-Peter Ostermeyer. On weighted Chebyshev-type quadrature formulas. *Mathematics of Computation*, 46(174):591–599, S21–S27, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Forster:1986:SWC

[FO86b] Klaus-Jurgen Forster and Georg-Peter Ostermeyer. Supplement to "On Weighted Chebyshev-Type Quadrature Formulas". *Mathematics of Computation*, 46(174):S21–S27, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Fornberg:1981:VIF

[For81] Bengt Fornberg. A vector implementation of the fast Fourier transform algorithm. *Mathematics of Computation*, 36 (153):189–191, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Forster:1987:WFA

[För87] Klaus-Jürgen Förster. On weight functions admitting Chebyshev quadrature. *Mathematics of Computation*, 49(179): 251–258, July 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Fornberg:1988:GFD

[For88] Bengt Fornberg. Generation of finite difference formulas on arbitrarily spaced grids. *Mathematics of Computation*, 51 (184):699–706, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Foster:1984:AHM

[FP84a] D. M. E. Foster and G. M. Phillips. The arithmetic-harmonic mean. *Mathematics of Computation*, 42(165):183–191, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Friedman:1984:SPM

[FP84b] Mark J. Friedman and Joseph E. Pasciak. Spectral properties for the magnetization integral operator. *Mathematics of Computation*, 43(168):447–453, October 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Fincke:1985:IMC

[FP85] U. Fincke and M. Pohst. Improved methods for calculating vectors of short length in a lattice, including a complexity analysis. *Mathematics of Computation*, 44(170):463–471, April 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Fischer:1989:NIF

[FR89] Bernd Fischer and Lothar Reichel. Newton interpolation in Fejér and Chebyshev points. *Mathematics of Computation*, 53(187):265–278, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Fransen:1981:ACH

[Fra81a] Arne Fransén. Addendum and corrigendum to: "High-precision values of the gamma function and of some related coefficients" [Math. Comp. **34** (1980), no. 150, 553–566, MR 81f:65004] by Fransén and S. Wrigge. *Mathematics of Computation*, 37(155):233–235, July 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). See [FW80].

Fransen:1981:CTS

[Fra81b] Arne Fransén. Conjectures on the Taylor series expansion coefficients of the Jacobian elliptic function $\mathrm{sn}(x, k)$. *Mathematics of Computation*, 37(156):475–494, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Franke:1982:SDI

[Fra82] Richard Franke. Scattered data interpolation: Tests of some methods. *Mathematics of Computation*, 38(157):181–200, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Friedman:1984:FEF

[Fri84] Mark J. Friedman. Finite element formulation of the general magnetostatic problem in the space of solenoidal vector functions. *Mathematics of Computation*, 43(168):415–431, October 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Foias:1984:DSN

[FT84] Ciprian Foiaş and Roger Temam. Determination of the solutions of the Navier–Stokes equations by a set of nodal values. *Mathematics of Computation*, 43(167): 117–133, July 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Fransen:1980:HPV

[FW80] Arne Fransén and Staffan Wrigge. High-precision values of the gamma function and of some related coefficients. *Mathematics of Computation*, 34(150):553–566, April 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). See addendum and corrigendum [Fra81a].

Fransen:1984:CMM

[FW84] Arne Fransén and Staffan Wrigge. Calculation of the moments and the moment generating function for the reciprocal gamma distribution. *Mathematics of Computation*, 42(166):601–616, April 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Frenzen:1985:NAE

[FW85] C. L. Frenzen and R. Wong. A note on asymptotic evaluation of some Hankel transforms. *Mathematics of Computation*, 45(172):537–548, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gunji:1981:PFF

[GA81] Hiroshi Gunji and Dennis Arnon. On polynomial factorization over finite fields. *Mathematics of Computation*, 36 (153):281–287, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gaal:1988:RIN

[Gaá88] István Gaál. On the resolution of inhomogeneous norm form equations in two dominating variables. *Mathematics of Computation*, 51(183):359–373, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Galeone:1983:UPM

[Gal83] Luciano Galeone. The use of positive matrices for the analysis of the large time behavior of the numerical solution of reaction-diffusion systems. *Mathematics of Computation*, 41(164):461–472, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gartland:1984:AAE

[Gar84] Eugene C. Gartland, Jr. Accurate approximation of eigenvalues and zeros of selected eigenfunctions of regular Sturm–Liouville problems. *Mathematics of Computation*, 42(166):427–439, April 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gartland:1987:SUH

[Gar87a] Eugene C. Gartland, Jr. Supplement to uniform high-order difference schemes for a singularly perturbed two-point boundary value problem. *Mathematics of Computation*, 48(178):S5–S9, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gartland:1987:UHO

[Gar87b] Eugene C. Gartland, Jr. Uniform high-order difference schemes for a singularly perturbed two-point boundary value problem. *Mathematics of Computation*, 48(178):551–564, S5–S9, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Garnett:1988:CAD

[Gar88a] Lucy Garnett. A computer algorithm for determining the Hausdorff dimension of certain fractals. *Mathematics of Computation*, 51(183):291–300, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gartland:1988:AUC

[Gar88b] Eugene C. Gartland, Jr. An analysis of a uniformly convergent finite difference/finite element scheme for a model singular-perturbation problem. *Mathematics of Computation*, 51(183):93–106, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gartland:1988:GMD

[Gar88c] Eugene C. Gartland, Jr. Graded-mesh difference schemes for singularly perturbed two-point boundary value problems. *Mathematics of Computation*, 51 (184):631–657, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Garabedian:1989:DLH

[Gar89] P. R. Garabedian. Design of a large helical system for magnetic fusion experiments. *Mathematics of Computation*, 52(186):539–543, April 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gatteschi:1980:SOP

[Gat80] Luigi Gatteschi. On some orthogonal polynomial integrals. *Mathematics of Computation*, 35(152):1291–1298, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gautschi:1981:MST

[Gau81] Walter Gautschi. Minimal solutions of three-term recurrence relations and orthogonal polynomials. *Mathematics of Computation*, 36(154):547–554, April 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gautschi:1983:CBC

[Gau83] Walter Gautschi. On the convergence behavior of continued fractions with real elements. *Mathematics of Computation*, 40(161):337–342, January 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gautschi:1994:MCH

[Gau94] Walter Gautschi, editor. *Mathematics of computation, 1943–1993: a half-century of computational mathematics: Mathematics of Computation 50th Anniversary Symposium, August 9–13, 1993, Vancouver, British Columbia*, volume 48 of *Proceedings of Symposia in Applied Mathematics*. American Mathematical Society, Providence, RI, USA, 1994. ISBN 0-8218-0291-7, 0-8218-0353-0 (pt. 1), 0-8218-0354-9 (pt. 2). ISSN 0160-7634. LCCN QA1 .A56 v.48 1994; QA297.M385 1993. See also SIAM Review, September 1995, **37**(3), p. 483.

Gekeler:1982:LMM

[Gek82] Eckart Gekeler. Linear multistep methods for stable differential equations $y'' = Ay + B(t)y' c(t)$. *Mathematics of Computation*, 39(160):481–490, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gerth:1983:AMF

[Ger83a] Frank Gerth, III. An application of matrices over finite fields to algebraic number theory. *Mathematics of Computation*, 41(163):229–234, July 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gerver:1983:FLN

[Ger83b] Joseph L. Gerver. Factoring large numbers with a quadratic sieve. *Mathematics of Computation*, 41(163):287–294, July 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gerver:1983:ISI

[Ger83c] Joseph L. Gerver. Irregular sets of integers generated by the greedy algorithm. *Mathematics of Computation*, 40(162): 667–676, April 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gerasoulis:1988:FAM

[Ger88] A. Gerasoulis. A fast algorithm for the multiplication of generalized Hilbert matrices with vectors. *Mathematics of Computation*, 50(181):179–188, January 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Geveci:1984:CGA

[Gev84] Tunc Geveci. On the convergence of Galerkin approximation schemes for second-order hyperbolic equations in energy and negative norms. *Mathematics of Computation*, 42(166):393–415, April 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Geveci:1989:CTD

[Gev89] T. Geveci. On the convergence of a time discretization scheme for the Navier–Stokes equations. *Mathematics of Computation*, 53(187):43–53, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gfrerer:1987:PPC

[Gfr87a] Helmut Gfrerer. An a posteriori parameter choice for ordinary and iterated Tikhonov regularization of ill-posed problems leading to optimal convergence rates. *Mathematics of Computation*, 49 (180):507–522, S5–S12, October 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gfrerer:1987:SPP

[Gfr87b] Helmut Gfrerer. Supplement to an A posteriori parameter choice for ordinary and iterated Tikhonov regularization of ill-posed problems leading to optimal convergence rates. *Mathematics of Computation*, 49(180):S5–S12, October 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gray:1988:NDF

[GfZ88] Henry L. Gray and Nien fan Zhang. On a new definition of the fractional difference. *Mathematics of Computation*, 50(182):513–529, April 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gordon:1987:HOF

[GGT87] Daniel Gordon, Douglas Grenier, and Audrey Terras. Hecke operators and the fundamental domain for $\mathrm{SL}(3, \mathbf{Z})$. *Mathematics of Computation*, 48(177):159–178, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Girstmair:1987:IPT

[Gir87] Kurt Girstmair. On invariant polynomials and their application in field theory. *Mathematics of Computation*, 48(178):781–797, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Girault:1988:IFE

[Gir88] V. Girault. Incompressible finite element methods for Navier–Stokes equations with nonstandard boundary conditions in R^3. *Mathematics of Computation*, 51(183):55–74, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Golub:1989:EEI

[GK89] Gene H. Golub and Mark D. Kent. Estimates of eigenvalues for iterative methods. *Mathematics of Computation*, 53(188):619–626, October 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gabutti:1982:AMP

[GL82] B. Gabutti and J. N. Lyness. An acceleration method for the power series of entire functions of order 1. *Mathematics of Computation*, 39(160):587–597, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Goodman:1985:ASS

[GL85] Jonathan B. Goodman and Randall J. LeVeque. On the accuracy of stable schemes for 2D scalar conservation laws. *Mathematics of Computation*, 45(171):15–21, July 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Glasser:1981:CBS

[Gla81] M. L. Glasser. A class of Bessel summations. *Mathematics of Computation*, 37(156):499–501, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gladwin:1982:OIM

[Gla82] C. J. Gladwin. On optimal integration methods for Volterra integral equations of the first kind. *Mathematics of Computation*, 39(160):511–518, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Glasser:1983:RPD

[Gla83] M. L. Glasser. A remarkable property of definite integrals. *Mathematics of Computation*, 40(162):561–563, April 1983.

CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gladwin:1987:ACO

[Gla87] C. J. Gladwin. An algorithm for the construction of optimal methods for the numerical solution of Volterra integral equations of the first kind. *Mathematics of Computation*, 48(178):625–632, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Guy:1987:PG

[GLS87] R. K. Guy, C. B. Lacampagne, and J. L. Selfridge. Primes at a glance. *Mathematics of Computation*, 48(177):183–202, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gostin:1982:SNF

[GM82] Gary B. Gostin and Philip B. McLaughlin, Jr. Six new factors of Fermat numbers. *Mathematics of Computation*, 38 (158):645–649, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Grone:1984:ASI

[GM84] Robert Grone and Russell Merris. An algorithm for the second immanant. *Mathematics of Computation*, 43(168):589–591, October 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gautschi:1985:GQI

[GM85a] Walter Gautschi and Gradimir V. Milovanović. Gaussian quadrature involving Einstein and Fermi functions with an application to summation of series. *Mathematics of Computation*, 44(169): 177–190, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gautschi:1985:SGQ

[GM85b] Walter Gautschi and Gradimir V. Milovanovic. Supplement to Gaussian quadrature involving Einstein and Fermi functions with an application to summation of series. *Mathematics of Computation*, 44(169):S1–S11, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gautschi:1988:ASG

[GN88] Walter Gautschi and Sotirios E. Notaris. An algebraic study of Gauss–Kronrod quadrature formulae for Jacobi weight functions. *Mathematics of Computation*, 51(183):231–248, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Grothkopf:1982:CCP

[GO82] U. Grothkopf and G. Opfer. Complex Chebyshev polynomials on circular sectors with degree six or less. *Mathematics of Computation*, 39(160):599–615, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Godwin:1984:CQF

[God84a] H. J. Godwin. Corrigenda: "On quartic fields of signature one with small discriminant. II". *Mathematics of Computation*, 43(168):621, October 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Godwin:1984:QFS

[God84b] H. J. Godwin. On quartic fields of signature one with small discriminant. II. *Mathematics of Computation*, 42(166): 707–711, April 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Goetgheluck:1988:PDB

[Goe88] Pierre Goetgheluck. On prime divisors of binomial coefficients. *Mathematics of Computation*, 51(183):325–329, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Goldstein:1980:VCE

[Gol80] Charles I. Goldstein. Variational crimes and L^∞ error estimates in the finite element method. *Mathematics of Computation*, 35(152):1131–1157, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Goldstein:1981:FEM

[Gol81] C. I. Goldstein. The finite element method with nonuniform mesh sizes for unbounded domains. *Mathematics of Computation*, 36(154):387–404, April 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Goldstein:1982:FEM

[Gol82] Charles I. Goldstein. A finite element method for solving Helmholtz type equations in waveguides and other unbounded domains. *Mathematics of Computation*, 39(160):309–324, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gordon:1987:PME

[Gor87] Daniel M. Gordon. Perfect multiple error-correcting arithmetic codes. *Mathematics of Computation*, 49(180):621–633, October 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gordon:1989:NEP

[Gor89] Daniel M. Gordon. On the number of elliptic pseudoprimes. *Mathematics of Computation*, 52(185):231–245, January 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gostin:1980:F

[Gos80] Gary B. Gostin. A factor of F_{17}. *Mathematics of Computation*, 35(151):975–976, July 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gottlieb:1981:SPC

[Got81a] David Gottlieb. The stability of pseudospectral-Chebyshev methods. *Mathematics of Computation*, 36(153):107–118, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gottlieb:1981:SPF

[GOT81b] David Gottlieb, Steven A. Orszag, and Eli Turkel. Stability of pseudospectral and finite-difference methods for variable coefficient problems. *Mathematics of Computation*, 37(156):293–305, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Glashoff:1981:NMC

[GR81] K. Glashoff and K. Roleff. A new method for Chebyshev approximation of complex-valued functions. *Mathematics of Computation*, 36(153):233–239, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gautschi:1988:FGK

[GR88] Walter Gautschi and Theodore J. Rivlin. A family of Gauss–Kronrod quadrature formulae. *Mathematics of Computation*, 51(184):749–754, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gelman:1989:CFI

[GR89a] Alex Gelman and Werner C. Rheinboldt. On the computation of finite invariant sets of mappings. *Mathematics of Computation*, 52(186):545–551, April 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Grossmann:1989:UEH

[GR89b] Ch. Großmann and H.-G. Roos. Uniform enclosure of high order for boundary value problems by monotone discretization. *Mathematics of Computation*, 53(188):609–617, October 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Graham:1982:GMS

[Gra82] Ivan G. Graham. Galerkin methods for second kind integral equations with singularities. *Mathematics of Computation*, 39(160):519–533, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Grayson:1983:OSK

[Gra83] Matthew A. Grayson. The orbit space of a Kleinian group: Riley's modest example. *Mathematics of Computation*, 40(162):633–646, April 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gramain:1987:CCA

[Gra87a] François Gramain. Corrigendum: "Computing an arithmetic constant related to the ring of Gaussian integers" [Math. Comp. **44** (1985), no. 169, 241–250, MR 87a:11028] by Gramain and M. Weber. *Mathematics of Computation*, 48 (178):854, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gras:1987:SUR

[Gra87b] Marie-Nicole Gras. Special units in real cyclic sextic fields. *Mathematics of Computation*, 48(177):179–182, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Grandine:1988:SEM

[Gra88] Thomas A. Grandine. The stable evaluation of multivariate simplex splines. *Mathematics of Computation*, 50(181): 197–205, January 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Greaves:1982:ASC

[Gre82] G. Greaves. An algorithm for the solution of certain differential-difference equations of advanced type. *Mathematics of Computation*, 38(157):237–247, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Greengard:1986:CVF

[Gre86] Claude Greengard. Convergence of the vortex filament method. *Mathematics of Computation*, 47(176):387–398, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Guy:1980:CWD

[GS80] Richard K. Guy and J. L. Selfridge. Corrigendum to: "What drives an aliquot sequence?" [Math. Comp. **29** (1975), 101–107, MR **52** #5542]. *Mathematics of Computation*, 34(149):319–321, January 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gaal:1989:CAP

[GS89] I. Gaál and N. Schulte. Computing all power integral bases of cubic fields.

Mathematics of Computation, 53(188): 689–696, October 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Goldberg:1981:SIS

[GT81] Moshe Goldberg and Eitan Tadmor. Scheme-independent stability criteria for difference approximations of hyperbolic initial-boundary value problems. II. *Mathematics of Computation*, 36 (154):603–626, April 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Goldfarb:1984:OEJ

[GT84] D. Goldfarb and Ph. L. Toint. Optimal estimation of Jacobian and Hessian matrices that arise in finite difference calculations. *Mathematics of Computation*, 43 (167):69–88, July 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Goldberg:1985:CSC

[GT85] Moshe Goldberg and Eitan Tadmor. Convenient stability criteria for difference approximations of hyperbolic initial-boundary value problems. *Mathematics of Computation*, 44(170):361–377, April 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Goldberg:1987:CSC

[GT87] Moshe Goldberg and Eitan Tadmor. Convenient stability criteria for difference approximations of hyperbolic initial-boundary value problems. II. *Mathematics of Computation*, 48(178): 503–520, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Guirguis:1987:TOB

[Gui87] Georges H. Guirguis. A third-order boundary condition for the exterior Stokes problem in three dimensions. *Mathematics of Computation*, 49(180): 379–389, October 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gupta:1984:DEP

[Gup84] Hansraj Gupta. Diophantine equations in partitions. *Mathematics of Computation*, 42(165):225–229, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Groetsch:1987:ATF

[GV87] C. W. Groetsch and C. R. Vogel. Asymptotic theory of filtering for linear operator equations with discrete noisy data. *Mathematics of Computation*, 49(180): 499–506, October 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gautschi:1984:MYL

[GW84] Walter Gautschi and Jet Wimp. In memoriam: Yudell L. Luke, June 26, 1918–May 6, 1983. *Mathematics of Computation*, 43(168):349–352, October 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Graimain:1985:SCA

[GW85a] F. Graimain and M. Weber. Supplement to computing an arithmetic constant related to the ring of Gaussian integers. *Mathematics of Computation*, 44(169): S13–S16, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Gramain:1985:CAC

[GW85b] F. Gramain and M. Weber. Computing an arithmetic constant related to the ring of Gaussian integers. *Mathematics of Computation*, 44(169):241–250, S13–S16, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Haber:1983:PIP

[Hab83] Seymour Haber. Parameters for integrating periodic functions of several variables. *Mathematics of Computation*, 41(163):115–129, July 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Hackbusch:1980:CMG

[Hac80] Wolfgang Hackbusch. Convergence of multi-grid iterations applied to difference equations. *Mathematics of Computation*, 34(150):425–440, April 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Hadjidimos:1982:COA

[Had82] A. Hadjidimos. Corrigenda: "Optimum accelerated overrelaxation method in a special case" [Math. Comp. **36** (1981), 183–187, MR 82c:65016] by G. Avdelas and the author. *Mathematics of Computation*, 38(158):657, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Hagis:1980:OPE

[Hag80] Peter Hagis, Jr. Outline of a proof that every odd perfect number has at least eight prime factors. *Mathematics of Computation*, 35(151):1027–1032, July 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Hagis:1981:UHN

[Hag81] Peter Hagis, Jr. Unitary hyperperfect numbers. *Mathematics of Computation*, 36(153):299–301, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Hagis:1983:SPO

[Hag83] Peter Hagis, Jr. Sketch of a proof that an odd perfect number relatively prime to 3 has at least eleven prime factors. *Mathematics of Computation*, 40(161): 399–404, January 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Halpern:1982:ABC

[Hal82] Laurence Halpern. Absorbing boundary conditions for the discretization schemes of the one-dimensional wave equation. *Mathematics of Computation*, 38(158): 415–429, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Halpern:1986:ABC

[Hal86] Laurence Halpern. Artificial boundary conditions for the linear advection diffusion equation. *Mathematics of Computation*, 46(174):425–438, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Han:1982:FEM

[Han82] Houde Han. The finite element method in a family of improperly posed problems. *Mathematics of Computation*, 38 (157):55–65, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Harten:1986:LTS

[Har86] Ami Harten. On a large time-step high resolution scheme. *Mathematics of Com-*

putation, 46(174):379–399, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Hasegawa:1986:CGC

[Has86] Takemitsu Hasegawa. Corrigendum: "Generalized Chebyshev interpolation and its application to automatic quadrature" [Math. Comp. **41** (1983), no. 164, 537–553, MR 84m:65037] by Hasegawa, T. Torii and I. Ninomiya. *Mathematics of Computation*, 47(175):385, July 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Hsu:1981:AFT

[HC81] L. C. Hsu and Y. S. Chou. An asymptotic formula for a type of singular oscillatory integrals. *Mathematics of Computation*, 37(156):503–507, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Heald:1985:RAF

[Hea85] Mark A. Heald. Rational approximations for the Fresnel integrals. *Mathematics of Computation*, 44(170):459–461, April 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Heald:1986:CRA

[Hea86] Mark A. Heald. Corrigenda: "Rational approximations for the Fresnel integrals" [Math. Comp. **44** (1985), no. 170, 459–461, MR 86b:65017]. *Mathematics of Computation*, 46(174):771, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Heinrichs:1989:ICN

[Hei89] Wilhelm Heinrichs. Improved condition number for spectral methods. *Mathematics of Computation*, 53(187):103–119, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Hagstrom:1988:ABC

[HH88a] Thomas Hagstrom and S. I. Hariharan. Accurate boundary conditions for exterior problems in gas dynamics. *Mathematics of Computation*, 51(184):581–597, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Hughes-Hallett:1988:CCA

[HH88b] A. J. Hughes-Hallett. Corrigenda: "The convergence of accelerated overrelaxation iterations" [Math. Comp. **47** (1986), no. 175, 219–223, MR 87g:65046]. *Mathematics of Computation*, 51(183):387, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Hardy:1987:CCN

[HHR+87] Kenneth Hardy, R. H. Hudson, D. Richman, Kenneth S. Williams, and N. M. Holtz. Calculation of the class numbers of imaginary cyclic quartic fields. *Mathematics of Computation*, 49(180):615–620, October 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Hicks:1981:HSS

[Hic81] D. L. Hicks. Hydrocode subcycling stability. *Mathematics of Computation*, 37(155):69–78, July 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Higdon:1986:ABC

[Hig86a] Robert L. Higdon. Absorbing boundary conditions for difference approximations to the multidimensional wave equation. *Mathematics of Computation*, 47(176):

437–459, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Higham:1986:NMM

[Hig86b] Nicholas J. Higham. Newton's method for the matrix square root. *Mathematics of Computation*, 46(174):537–549, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Higdon:1987:NAB

[Hig87] Robert L. Higdon. Numerical absorbing boundary conditions for the wave equation. *Mathematics of Computation*, 49 (179):65–90, July 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Hilliker:1982:ASC

[Hil82] David Lee Hilliker. An algorithm for solving a certain class of Diophantine equations. I. *Mathematics of Computation*, 38(158):611–626, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Hendy:1981:JPA

[HJ81] M. D. Hendy and N. S. Jeans. The Jacobi–Perron algorithm in integer form. *Mathematics of Computation*, 36(154): 565–574, April 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Hagstrom:1987:ABC

[HK87] T. M. Hagstrom and H. B. Keller. Asymptotic boundary conditions and numerical methods for nonlinear elliptic problems on unbounded domains. *Mathematics of Computation*, 48(178):449–470, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Hale:1988:USA

[HLR88] Jack K. Hale, Xiao Biao Lin, and Geneviève Raugel. Upper semicontinuity of attractors for approximations of semigroups and partial differential equations. *Mathematics of Computation*, 50(181): 89–123, January 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Hoff:1985:LIF

[Hof85] David Hoff. A linearly implicit finite-difference scheme for the one-dimensional porous medium equation. *Mathematics of Computation*, 45(171): 23–33, July 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Horner:1980:RRC

[Hor80] T. S. Horner. Recurrence relations for the coefficients in Chebyshev series solutions of ordinary differential equations. *Mathematics of Computation*, 35(151): 893–905, July 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Howard:1980:SCB

[How80] F. T. Howard. A special class of Bell polynomials. *Mathematics of Computation*, 35(151):977–989, July 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Hao:1984:GBN

[HP84] Fred H. Hao and Charles J. Parry. Generalized Bernoulli numbers and m-regular primes. *Mathematics of Computation*, 43(167):273–288, July 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Hemker:1981:MGM

[HS81] P. W. Hemker and H. Schippers. Multiple grid methods for the solution of Fredholm integral equations of the second kind. *Mathematics of Computation*, 36 (153):215–232, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Hoff:1985:EBF

[HS85] David Hoff and Joel Smoller. Error bounds for finite-difference approximations for a class of nonlinear parabolic systems. *Mathematics of Computation*, 45(171):35–49, July 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Huang:1981:SCE

[HT81] Mingyou Huang and Vidar Thomée. Some convergence estimates for semidiscrete type schemes for time-dependent nonselfadjoint parabolic equations. *Mathematics of Computation*, 37(156): 327–346, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Harten:1981:FOA

[HTE81] Amiram Harten and Hillel Tal-Ezer. On a fourth order accurate implicit finite difference scheme for hyperbolic conservation laws. I. nonstiff strongly dynamic problems. *Mathematics of Computation*, 36(154):353–373, April 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Hasegawa:1983:GCI

[HTN83] Takemitsu Hasegawa, Tatsuo Torii, and Ichizo Ninomiya. Generalized Chebyshev interpolation and its application to automatic quadrature. *Mathematics of Computation*, 41(164):537–553, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Hudson:1984:PSP

[Hud84] Richard H. Hudson. Products and sums of powers of binomial coefficients mod p and solutions of certain quaternary Diophantine systems. *Mathematics of Computation*, 43(168):603–613, October 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Hudson:1985:AEI

[Hud85] Richard H. Hudson. Averaging effects on irregularities in the distribution of primes in arithmetic progressions. *Mathematics of Computation*, 44(170):561–571, April 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

HughesHallett:1986:CAO

[Hug86] A. J. Hughes Hallett. The convergence of accelerated overrelaxation iterations. *Mathematics of Computation*, 47(175): 219–223, July 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Hundsdorfer:1989:SCP

[HV89] W. H. Hundsdorfer and J. G. Verwer. Stability and convergence of the Peaceman–Rachford ADI method for initial-boundary value problems. *Mathematics of Computation*, 53(187):81–101, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Hudson:1982:CNF

[HW82] Richard H. Hudson and Kenneth S. Williams. Class number formulae of Dirichlet type. *Mathematics of Computation*, 39(160):725–732, October 1982.

CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Huang:1984:NAI

[HW84] Yougun Huang and Jack Williams. A note on an algorithm for interpolating rationals. *Mathematics of Computation*, 42(165):111–113, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Igarashi:1984:TCI

[Iga84] Masao Igarashi. A termination criterion for iterative methods used to find the zeros of polynomials. *Mathematics of Computation*, 42(165):165–171, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Isaacson:1989:CPC

[II89] David Isaacson and Eli L. Isaacson. Comment on A.-P. Calderón's paper: "On an inverse boundary value problem" [in *Seminar on Numerical Analysis and its Applications to Continuum Physics* (Rio de Janeiro, 1980), 65–73, Soc. Brasil. Mat., Rio de Janeiro, 1980, MR 81k:35160]. *Mathematics of Computation*, 52(186):553–559, April 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Isaacson:1981:NAS

[IIMPL81] D. Isaacson, E. L. Isaacson, D. Marchesin, and P. J. Paes-Leme. Numerical analysis of spectral properties of coupled oscillator Schrödinger operators. I. Single and double well anharmonic oscillators. *Mathematics of Computation*, 37 (156):273–292, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Iwaniec:1988:AEM

[IL88] T. Iwaniec and A. Lutoborski. Asymptotic expansions of multiple integrals of rapidly oscillating functions. *Mathematics of Computation*, 50(181):215–228, January 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Iserles:1983:FFR

[IN83] A. Iserles and S. P. Nørsett. Frequency fitting of rational approximations to the exponential function. *Mathematics of Computation*, 40(162):547–559, April 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Iserles:1987:TSM

[IN87] A. Iserles and S. P. Nørsett. Two-step methods and bi-orthogonality. *Mathematics of Computation*, 49(180):543–552, October 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Ioakimidis:1983:FCR

[Ioa83] N. I. Ioakimidis. Further convergence results for the weighted Galerkin method of numerical solution of Cauchy-type singular integral equations. *Mathematics of Computation*, 41(163):79–85, July 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Ioakimidis:1985:AQR

[Ioa85a] N. I. Ioakimidis. Application of quadrature rules for Cauchy-type integrals to the generalized Poincaré-Bertrand formula. *Mathematics of Computation*, 44 (169):199–206, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Ioakimidis:1985:UCG

[Ioa85b] N. I. Ioakimidis. On the uniform convergence of Gaussian quadrature rules for Cauchy principal value integrals and their derivatives. *Mathematics of Computation*, 44(169):191–198, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Ireland:1986:CNC

[IS86] K. F. Ireland and R. D. Small. Class numbers of cyclotomic function fields. *Mathematics of Computation*, 46(173): 337–340, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Isaacs:1980:ELF

[Isa80] Godfrey L. Isaacs. Exponential laws for fractional differences. *Mathematics of Computation*, 35(151):933–936, July 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Iserles:1981:QMS

[Ise81] A. Iserles. Quadrature methods for stiff ordinary differential systems. *Mathematics of Computation*, 36(153):171–182, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Iserles:1982:CEA

[Ise82] Arieh Iserles. Composite exponential approximations. *Mathematics of Computation*, 38(157):99–112, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Joshi:1982:ICH

[JA82] C. M. Joshi and J. P. Arya. Inequalities for certain hypergeometric functions. *Mathematics of Computation*, 38 (157):201–205, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Jaeschke:1983:SSA

[Jae83] G. Jaeschke. On the smallest k such that all $k \cdot 2^n + 1$ are composite. *Mathematics of Computation*, 40(161):381–384, January 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Jaeschke:1985:CSS

[Jae85] G. Jaeschke. Corrigendum: "On the smallest k such that all $k \cdot 2^n + 1$ are composite" [Math. Comp. **40** (1983), no. 161, 381–384, MR 84k:10006]. *Mathematics of Computation*, 45(172):637, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Jager:1982:SCN

[Jag82] H. Jager. On the speed of convergence of the nearest integer continued fraction. *Mathematics of Computation*, 39(160): 555–558, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

James:1980:GOO

[Jam80] Rodney James. The groups of order p^6 (p an odd prime). *Mathematics of Computation*, 34(150):613–637, April 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Jaccard:1982:ASO

[JE82] Yves Jaccard and Hugo Evéquoz. Approximation of the spectrum of an operator given by the magnetohydrodynamic stability of a plasma. *Mathematics of Computation*, 39(160):443–452, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Jing:1987:ACC

[JF87] Zhongqi Jing and Adly T. Fam. An algorithm for computing continuous Chebyshev approximations. *Mathematics of Computation*, 48(178):691–710, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Jia:1987:BPS

[Jia87] Rong Qing Jia. L^∞-boundedness of L^2-projections on splines for a multiple geometric mesh. *Mathematics of Computation*, 48(178):675–690, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Johnson:1987:EES

[JLTW87] Claes Johnson, Stig Larsson, Vidar Thomée, and Lars B. Wahlbin. Error estimates for spatially discrete approximations of semilinear parabolic equations with nonsmooth initial data. *Mathematics of Computation*, 49(180):331–357, October 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Jones:1985:VSS

[JM85] H. M. Jones and S. McKee. Variable step size predictor-corrector schemes for second kind Volterra integral equations. *Mathematics of Computation*, 44(170):391–404, April 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Johnson:1980:CBI

[JN80] Claes Johnson and J.-Claude Nédélec. On the coupling of boundary integral and finite element methods. *Mathematics of Computation*, 35(152):1063–1079, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Johnson:1982:ASM

[JP82] Claes Johnson and Juhani Pitkäranta. Analysis of some mixed finite element methods related to reduced integration. *Mathematics of Computation*, 38(158):375–400, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Johnson:1986:ADG

[JP86] C. Johnson and J. Pitkäranta. An analysis of the discontinuous Galerkin method for a scalar hyperbolic equation. *Mathematics of Computation*, 46(173):1–26, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Jerome:1982:EEM

[JR82] Joseph W. Jerome and Michael E. Rose. Error estimates for the multidimensional two-phase Stefan problem. *Mathematics of Computation*, 39(160):377–414, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Jen:1981:CSA

[JS81] Erica Jen and R. P. Srivastav. Cubic splines and approximate solution of singular integral equations. *Mathematics of Computation*, 37(156):417–423, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Jeltsch:1985:ABS

[JS85] Rolf Jeltsch and Klaus-Günther Strack. Accuracy bounds for semidiscretizations of hyperbolic problems. *Mathematics of Computation*, 45(172):365–376, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Johnson:1986:SDM

[JS86] Claes Johnson and Jukka Saranen. Streamline diffusion methods for the incompressible Euler and Navier–Stokes equations. *Mathematics of Computation*, 47(175):1–18, July 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Johnsen:1987:CBM

[JS87a] Ben Johnsen and Eldar Straume. Counting binary matrices with given row and column sums. *Mathematics of Computation*, 48(178):737–750, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Johnson:1987:CFE

[JS87b] Claes Johnson and Anders Szepessy. On the convergence of a finite element method for a nonlinear hyperbolic conservation law. *Mathematics of Computation*, 49(180):427–444, October 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Johnson:1987:CSP

[JSW87] C. Johnson, A. H. Schatz, and L. B. Wahlbin. Crosswind smear and pointwise errors in streamline diffusion finite element methods. *Mathematics of Computation*, 49(179):25–38, July 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Jameson:1981:ISD

[JT81] A. Jameson and E. Turkel. Implicit schemes and *LU* decompositions. *Mathematics of Computation*, 37(156):385–397, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kallman:1982:MFP

[Kal82] Ralph Kallman. A method for finding permanents of 0, 1 matrices. *Mathematics of Computation*, 38(157):167–170, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Karlsen:1980:CSS

[Kar80] Lasse K. Karlsen. Computation of steady shocks by second-order finite-difference schemes. *Mathematics of Computation*, 34(150):391–400, April 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Karakashian:1986:RKM

[Kar86] Ohannes A. Karakashian. On Runge–Kutta methods for parabolic problems with time-dependent coefficients. *Mathematics of Computation*, 47(175):77–101, July 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Katti:1980:FDS

[Kat80] C. P. Katti. Five-diagonal sixth order methods for two-point boundary value problems involving fourth order differential equations. *Mathematics of Computation*, 35(152):1177–1179, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kuchel:1987:BCF

[KBF87] Philip W. Kuchel, Brian T. Bulliman, and Edward D. Fackerell. Bi-cyclide and flat-ring cyclide coordinate surfaces: correction of two expressions. *Mathematics of Computation*, 49(180):607–613, October 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kalla:1982:IJF

[KCL82] Shyam L. Kalla, Salvador Conde, and Yudell L. Luke. Integrals of Jacobi functions. *Mathematics of Computation*, 38 (157):207–214, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kautsky:1984:GQJ

[KE84] J. Kautský and S. Elhay. Gauss quadratures and Jacobi matrices for weight functions not of one sign. *Mathematics of Computation*, 43(168):543–550, October 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kearfott:1983:SAI

[Kea83] Ralph Baker Kearfott. A sinc approximation for the indefinite integral. *Mathematics of Computation*, 41(164):559–572, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kearfott:1987:AGB

[Kea87] R. Baker Kearfott. Abstract generalized bisection and a cost bound. *Mathematics of Computation*, 49(179):187–202, July 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Keeling:1989:GRK

[Kee89] Stephen L. Keeling. Galerkin/Runge–Kutta discretizations for parabolic equations with time-dependent coefficients. *Mathematics of Computation*, 52(186): 561–586, April 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Keller:1982:TEN

[Kel82a] Wilfrid Keller. Table errata: "New primes of the form $k \cdot 2^n + 1$" [Math. Comp. **33** (1979), no. 148, 1333–1336], MR 80h:10009, by R. Baillie. *Mathematics of Computation*, 38(157):335, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Keller:1982:TEP

[Kel82b] Wilfrid Keller. Table errata: "Properties of the sequence $3 \cdot 2^n + 1$" [Math. Comp. **30** (1976), no. 135, 657–663, MR **53** #7933] by S. W. Golomb. *Mathematics of Computation*, 38(157):335, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Keller:1982:TES

[Kel82c] Wilfrid Keller. Table errata: "Some very large primes of the form $k \cdot 2^m + 1$" [Math. Comp. **35** (1980), no. 152, 1419–1421], MR 81i:10011 by G. V. Cormack and H. C. Williams. *Mathematics of Computation*, 38(157):335, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Keller:1983:CPF

[Kel83a] Wilfred Keller. Corrigendum: "Primes of the form $n! \pm 1$ and $2 \cdot 3 \cdot 5 \cdots p \pm 1$" [Math. Comp. **38** (1982), no. 158, 639–643 and MR 83c:10006] by J. P. Buhler, R. E. Crandall and M. A. Penk. *Mathematics of Computation*, 40(162): 727, April 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Keller:1983:FFN

[Kel83b] Wilfrid Keller. Factors of Fermat numbers and large primes of the form $k \cdot 2^n + 1$. *Mathematics of Computation*, 41 (164):661–673, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kelley:1986:SLA

[Kel86] C. T. Kelley. A Shamanskiĭ-like acceleration scheme for nonlinear equations at singular roots. *Mathematics of Computation*, 47(176):609–623, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kershaw:1983:SEW

[Ker83] D. Kershaw. Some extensions of W. Gautschi's inequalities for the gamma function. *Mathematics of Computation*, 41(164):607–611, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Keast:1983:CSF

[KFD83] P. Keast, G. Fairweather, and J. C. Diaz. A computational study of finite element methods for second order linear two-point boundary value problems. *Mathematics of Computation*, 40(162): 499–518, April 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kovvali:1982:PFS

[KG82] S. Kovvali and G. K. Gupta. Polynomial formulation of second derivative multistep methods. *Mathematics of Computation*, 38(158):447–458, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kok:1985:CGA

[KG85a] Barbara Kok and Tunc Geveci. The convergence of Galerkin approximation schemes for second-order hyperbolic equations with dissipation. *Mathematics of Computation*, 44(170):379–390, S17–S25, April 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kok:1985:SCG

[KG85b] Barbara Kok and Tunc Geveci. Supplement to the convergence of Galerkin approximation schemes for second-order hyperbolic equations with dissipation. *Mathematics of Computation*, 44(170): S17–S25, April 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kim:1988:AZR

[Kim88] Myong-Hi Kim. On approximate zeros and rootfinding algorithms for a complex polynomial. *Mathematics of Computation*, 51(184):707–719, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

King:1980:EOP

[Kin80] Richard F. King. An efficient one-point extrapolation method for linear convergence. *Mathematics of Computation*, 35(152):1285–1290, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

King:1983:ABL

[Kin83] Richard F. King. Anderson–Björck for linear sequences. *Mathematics of Computation*, 41(164):591–596, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kiper:1984:FSC

[Kip84] Ayşe Kiper. Fourier series coefficients for powers of the Jacobian elliptic functions. *Mathematics of Computation*, 43(167): 247–259, July 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kishore:1981:OPQ

[Kis81] Masao Kishore. On odd perfect, quasiperfect, and odd almost perfect

numbers. *Mathematics of Computation*, 36(154):583–586, April 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kishore:1983:OPN

[Kis83] Masao Kishore. Odd perfect numbers not divisible by 3. II. *Mathematics of Computation*, 40(161):405–411, January 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kishore:1984:OTN

[Kis84] Masao Kishore. Odd triperfect numbers. *Mathematics of Computation*, 42(165): 231–233, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kishore:1985:OTN

[Kis85] Masao Kishore. Odd triperfect numbers are divisible by eleven distinct prime factors. *Mathematics of Computation*, 44 (169):261–263, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kiwiel:1985:ANC

[Kiw85] Krzysztof C. Kiwiel. An algorithm for nonsmooth convex minimization with errors. *Mathematics of Computation*, 45(171):173–180, July 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kheshgi:1985:AFE

[KL85] Haroon Kheshgi and Mitchell Luskin. Analysis of the finite element variable penalty method for Stokes equations. *Mathematics of Computation*, 45(172): 347–363, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kannan:1988:PFN

[KLL88] R. Kannan, A. K. Lenstra, and L. Lovász. Polynomial factorization and nonrandomness of bits of algebraic and some transcendental numbers. *Mathematics of Computation*, 50(181):235–250, January 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kreiss:1986:SCS

[KMS+86] H.-O. Kreiss, T. A. Manteuffel, B. Swartz, B. Wendroff, and A. B. White, Jr. Supra-convergent schemes on irregular grids. *Mathematics of Computation*, 47(176):537–554, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Knight:1988:TETb

[Kni88] J. H. Knight. Table errata: *Tables of Laplace transforms* [Springer, New York, 1973; MR **50** #5375] by F. Oberhettinger and L. Badii. *Mathematics of Computation*, 50(182):653–654, April 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Koblitz:1987:ECC

[Kob87] Neal Koblitz. Elliptic curve cryptosystems. *Mathematics of Computation*, 48 (177):203–209, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kolbig:1982:CE

[Köl82] K. S. Kölbig. Closed expressions for $\int_0^1 t^{-1} \log^{n-1} t \log^p(1-t)dt$. *Mathematics of Computation*, 39(160):647–654, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kolbig:1983:Ia

[Köl83a] K. S. Kölbig. On the integral $\int_0^{\pi/2} \log^n \cos x \log^p \sin x dx$. *Mathematics of Computation*, 40(162):565–570, April 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kolbig:1983:Ib

[Köl83b] K. S. Kölbig. On the integral $\int_0^\infty e^{-\mu t} t^{\nu-1} \log^m t dt$. *Mathematics of Computation*, 41(163):171–182, July 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kiss:1987:PR

[KP87] Péter Kiss and Bui Minh Phong. On a problem of A. rotkiewicz. *Mathematics of Computation*, 48(178):751–755, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Knight:1988:TETa

[KP88] J. H. Knight and J. R. Philip. Table errata: *Tables of integral transforms. Vol. 1* [McGraw-Hill, New York, 1954; MR **15**, 868] by A. Erdélyi, W. Magnus, F. Oberhettinger and F. G. Tricomi. *Mathematics of Computation*, 50(182): 653, April 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kim:1989:PRP

[KP89] Su Hee Kim and Carl Pomerance. The probability that a random probable prime is composite. *Mathematics of Computation*, 53(188):721–741, October 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kaltofen:1989:CGC

[KR89] Erich Kaltofen and Heinrich Rolletschek. Computing greatest common divisors and factorizations in quadratic number fields. *Mathematics of Computation*, 53 (188):697–720, October 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kretschmer:1986:CEC

[Kre86] Thomas J. Kretschmer. Construction of elliptic curves with large rank. *Mathematics of Computation*, 46(174):627–635, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Krogh:1980:CRR

[Kro80] Fred T. Krogh. Corrigendum: "Recurrence relations for computing with modified divided differences" [Math. Comp. **33** (1979), no. 148, 1265–1271, MR 80f:65094]. *Mathematics of Computation*, 35(152):1445, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Krupnikov:1983:TET

[Kru83] Ernst D. Krupnikov. Table errata: *Table of integrals, series, and products* [Academic Press, New York, 1980 and MR 81g:33001] by I. S. Gradshteĭn and I. M. Ryzhik. *Mathematics of Computation*, 41(164):780–783, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kumar:1987:NCT

[KS87] Sunil Kumar and Ian H. Sloan. A new collocation-type method for Hammerstein integral equations. *Mathematics of Computation*, 48(178):585–593, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kurtz:1986:FPT

[KSW86] G. C. Kurtz, Daniel Shanks, and H. C. Williams. Fast primality tests for num-

bers less than $50 \cdot 10^9$. *Mathematics of Computation*, 46(174):691–701, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Kumar:1988:SCT

[Kum88] Sunil Kumar. Superconvergence of a collocation-type method for simple turning points of Hammerstein equations. *Mathematics of Computation*, 50(182): 385–398, April 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lax:1982:EFI

[LA82] M. Lax and G. P. Agrawal. Evaluation of Fourier integrals using B-splines. *Mathematics of Computation*, 39(160): 535–548, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lax:1984:CEF

[LA84] M. Lax and G. P. Agrawal. Corrigenda: "Evaluation of Fourier integrals using B-splines" [Math. Comp. **39** (1982), no. 160, 535–548, MR 83i:65021]. *Mathematics of Computation*, 43(167): 347, July 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lacroix:1984:CZL

[Lac84] Norbert H. J. Lacroix. On common zeros of Legendre's associated functions. *Mathematics of Computation*, 43(167): 243–245, July 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Laforgia:1984:FIG

[Laf84] Andrea Laforgia. Further inequalities for the gamma function. *Mathematics of Computation*, 42(166):597–600, April 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lagrange:1983:SSW

[Lag83] Jean Lagrange. Sets of n squares of which any $n-1$ have their sum square. *Mathematics of Computation*, 41(164): 675–681, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Land:1981:CPP

[Lan81] Rudolf Land. Computation of Pólya polynomials of primitive permutation group. *Mathematics of Computation*, 36 (153):267–278, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Larkin:1980:RFF

[Lar80] F. M. Larkin. Root-finding by fitting rational functions. *Mathematics of Computation*, 35(151):803–816, July 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Laska:1982:AFM

[Las82a] Michael Laska. An algorithm for finding a minimal Weierstrass equation for an elliptic curve. *Mathematics of Computation*, 38(157):257–260, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lassey:1982:CCI

[Las82b] Keith R. Lassey. On the computation of certain integrals containing the modified Bessel function $I_0(\xi)$. *Mathematics of Computation*, 39(160):625–637, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lasiecka:1986:GAA

[Las86] I. Lasiecka. Galerkin approximations of abstract parabolic boundary value prob-

lems with rough boundary data—L_p theory. *Mathematics of Computation*, 47 (175):55–75, July 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lavoie:1986:SEG

[Lav86] J. L. Lavoie. Some evaluations for the generalized hypergeometric series. *Mathematics of Computation*, 46(173):215–218, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lavoie:1987:SSF

[Lav87] J. L. Lavoie. Some summation formulas for the series ${}_3F_2(1)$. *Mathematics of Computation*, 49(179):269–274, July 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Layton:1981:EDD

[Lay81] William J. Layton. Estimates away from a discontinuity for dissipative Galerkin methods for hyperbolic equations. *Mathematics of Computation*, 36(153):87–92, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Liu:1988:CGP

[LC88] X. Y. Liu and Y. M. Chen. Convergence of a generalized pulse-spectrum technique (GPST) for inverse problems of 1-D diffusion equations in space-time domain. *Mathematics of Computation*, 51 (184):477–489, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Loiseau:1988:HIM

[LCC88] Jean-Francis Loiseau, Jean-Pierre Codaccioni, and Régis Caboz. Hyperelliptic integrals and multiple hypergeometric series. *Mathematics of Computation*, 50(182):501–512, April 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Loiseau:1989:IHI

[LCC89] J. F. Loiseau, J. P. Codaccioni, and R. Caboz. Incomplete hyperelliptic integrals and hypergeometric series. *Mathematics of Computation*, 53(187):335–342, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

LeRoux:1981:NSS

[Le 81a] A. Y. Le Roux. Numerical stability for some equations of gas dynamics. *Mathematics of Computation*, 37(156):307–320, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

LeRoux:1981:SNS

[Le 81b] A. Y. Le Roux. Stability of numerical schemes solving quasi-linear wave equations. *Mathematics of Computation*, 36 (153):93–105, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lehmer:1981:FQB

[Leh81] D. H. Lehmer. On Fermat's quotient, base two. *Mathematics of Computation*, 36(153):289–290, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lehmer:1988:SLP

[Leh88a] D. H. Lehmer. The sum of like powers of the zeros of the Riemann zeta function. *Mathematics of Computation*, 50(181): 265–273, January 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lehmer:1988:CBG

[Leh88b] Emma Lehmer. Connection between Gaussian periods and cyclic units. *Mathematics of Computation*, 50(182):535–541, April 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lenstra:1984:DRC

[Len84] H. W. Lenstra, Jr. Divisors in residue classes. *Mathematics of Computation*, 42 (165):331–340, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Leon:1980:AFB

[Leo80] Jeffrey S. Leon. On an algorithm for finding a base and a strong generating set for a group given by generating permutations. *Mathematics of Computation*, 35(151):941–974, July 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lettl:1986:LBC

[Let86] Günter Lettl. A lower bound for the class number of certain cubic number fields. *Mathematics of Computation*, 46(174): 659–666, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Levin:1980:ACI

[Lev80] David Levin. On accelerating the convergence of infinite double series and integrals. *Mathematics of Computation*, 35(152):1331–1345, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Levin:1982:PCO

[Lev82a] David Levin. Procedures for computing one- and two-dimensional integrals of functions with rapid irregular oscillations. *Mathematics of Computation*, 38(158):531–538, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Levin:1982:EDI

[Lev82b] Moshe Levin. On the evaluation of double integrals. *Mathematics of Computation*, 39(159):173–177, July 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Levin:1983:ACD

[Lev83] Moshe Levin. On the approximate calculation of double integrals. *Mathematics of Computation*, 40(161):273–282, January 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

LeVeque:1986:IBC

[LeV86] Randall J. LeVeque. Intermediate boundary conditions for time-split methods applied to hyperbolic partial differential equations. *Mathematics of Computation*, 47(175):37–54, July 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lewanowicz:1985:DDP

[Lew85a] S. Lewanowicz. On the differential-difference properties of the extended Jacobi polynomials. *Mathematics of Computation*, 44(170):435–441, April 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lewanowicz:1985:RRH

[Lew85b] Stanisław Lewanowicz. Recurrence relations for hypergeometric functions of unit argument. *Mathematics of Computation*, 45(172):521–535, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lewanowicz:1986:PPA

[Lew86] S. Lewanowicz. Properties of the polynomials associated with the Jacobi polynomials. *Mathematics of Computation*, 47 (176):669–682, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lewanowicz:1987:CRR

[Lew87] Stanisław Lewanowicz. Corrigendum: "Recurrence relations for hypergeometric functions of unit argument" [Math. Comp. **45** (1985), no. 172, 521–535, MR 86m:33004]. *Mathematics of Computation*, 48(178):853, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lyness:1986:MWM

[LG86] J. N. Lyness and G. Giunta. A modification of the Weeks method for numerical inversion of the Laplace transform. *Mathematics of Computation*, 47(175): 313–322, July 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Ling:1982:EGH

[Lin82] Chih Bing Ling. Evaluation of generalized Howland integrals. *Mathematics of Computation*, 38(158):593–599, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Ling:1986:EHT

[Lin86] Chih Bing Ling. Evaluation of Howland-type integrals involving tanh and coth functions. *Mathematics of Computation*, 46(173):219–223, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Laderman:1982:SFP

[LL82] Jack Laderman and Julian D. Laderman. Simplified forecasting by polynomial regression with equally spaced values of the independent variable. *Mathematics of Computation*, 38(158):601–610, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lehmer:1983:CSP

[LL83a] D. H. Lehmer and Emma Lehmer. Cyclotomy with short periods. *Mathematics of Computation*, 41(164):743–758, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Li:1983:SHC

[LL83b] Zi Cai Li and Guo Ping Liang. On the simplified hybrid-combined method. *Mathematics of Computation*, 41(163): 13–25, July 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lagrange:1986:TTS

[LL86] J. Lagrange and J. Leech. Two triads of squares. *Mathematics of Computation*, 46(174):751–758, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lehmer:1987:CR

[LL87] D. H. Lehmer and Emma Lehmer. Cyclotomic resultants. *Mathematics of Computation*, 48(177):211–216, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lyness:1980:QEF

[LM80] J. N. Lyness and G. Monegato. Quadrature error functional expansions for the simplex when the integrand function has

singularities at vertices. *Mathematics of Computation*, 34(149):213–225, January 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Leavitt:1981:PDF

[LM81] W. G. Leavitt and Albert A. Mullin. Primes differing by a fixed integer. *Mathematics of Computation*, 37(156):581–585, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lagarias:1985:CML

[LMO85] J. C. Lagarias, V. S. Miller, and A. M. Odlyzko. Computing $\pi(x)$: The Meissel–Lehmer method. *Mathematics of Computation*, 44(170):537–560, April 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lehmer:1986:ID

[LMv86] D. H. Lehmer, K. Mahler, and A. J. van der Poorten. Integers with digits 0 or 1. *Mathematics of Computation*, 46(174): 683–689, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lie:1989:SMC

[LN89] Ivar Lie and Syvert P. Nørsett. Superconvergence for multistep collocation. *Mathematics of Computation*, 52(185): 65–79, January 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Llorente:1982:RCF

[LO82] P. Llorente and A. V. Oneto. On the real cubic fields. *Mathematics of Computation*, 39(160):689–692, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

LeVeque:1983:NMB

[LO83] Randall J. LeVeque and Joseph Oliger. Numerical methods based on additive splittings for hyperbolic partial differential equations. *Mathematics of Computation*, 40(162):469–497, April 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Locher:1981:IUM

[Loc81] F. Locher. Interpolation on uniform meshes by the translates of one function and related attenuation factors. *Mathematics of Computation*, 37(156):403–416, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Locher:1989:FGJ

[Loc89] F. Locher. A family of generalized Jacobi polynomials. *Mathematics of Computation*, 53(187):303–309, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Loh:1989:LCN

[Löh89] Günter Löh. Long chains of nearly doubled primes. *Mathematics of Computation*, 53(188):751–759, October 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Longman:1983:TEH

[Lon83] I. M. Longman. Table errata: *Handbook of mathematical functions with formulas, graphs, and mathematical tables* [U.S. Government Printing Office, Washington, D.C., 1964 and MR **29** #4914]. *Mathematics of Computation*, 41(164):783, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lorenz:1986:CUS

[Lor86] Jens Lorenz. Convergence of upwind schemes for a stationary shock. *Mathematics of Computation*, 46(173):45–57, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lotstedt:1986:NSN

[LP86] Per Lötstedt and Linda Petzold. Numerical solution of nonlinear differential equations with algebraic constraints. I. convergence results for backward differentiation formulas. *Mathematics of Computation*, 46(174):491–516, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Llorente:1988:SSC

[LQ88a] Pascual Llorente and Jordi Quer. On the 3-Sylow subgroup of the class group of quadratic fields. *Mathematics of Computation*, 50(181):321–333, January 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Llorente:1988:TRC

[LQ88b] Pascual Llorente and Jordi Quer. On totally real cubic fields with discriminant $D < 10^7$. *Mathematics of Computation*, 50(182):581–594, April 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lynch:1980:HOD

[LR80] Robert E. Lynch and John R. Rice. A high-order difference method for differential equations. *Mathematics of Computation*, 34(150):333–372, April 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lubinsky:1984:RCG

[LR84] D. S. Lubinsky and P. Rabinowitz. Rates of convergence of Gaussian quadrature for singular integrands. *Mathematics of Computation*, 43(167):219–242, July 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lancaster:1981:SGM

[LS81] P. Lancaster and K. Salkauskas. Surfaces generated by moving least squares methods. *Mathematics of Computation*, 37(155):141–158, July 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lubinsky:1983:LZO

[LS83] D. S. Lubinsky and A. Sharif. On the largest zeroes of orthogonal polynomials for certain weights. *Mathematics of Computation*, 41(163):199–202, July 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lehner:1985:CSI

[LS85] J. Lehner and M. Sheingorn. Computing self-intersections of closed geodesics on finite-sheeted covers of the modular surface. *Mathematics of Computation*, 44(169):233–240, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lubinsky:1986:CPI

[LS86] D. S. Lubinsky and Avram Sidi. Convergence of product integration rules for functions with interior and endpoint singularities over bounded and unbounded intervals. *Mathematics of Computation*, 46(173):229–245, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lenstra:1987:PNB

[LS87] H. W. Lenstra, Jr. and R. J. Schoof. Primitive normal bases for finite fields. *Mathematics of Computation*, 48(177): 217–231, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lyness:1989:SPR

[LS89] J. N. Lyness and I. H. Sloan. Some properties of rank-2 lattice rules. *Mathematics of Computation*, 53(188):627–637, October 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lubich:1983:RKT

[Lub83] Ch. Lubich. Runge–Kutta theory for Volterra and Abel integral equations of the second kind. *Mathematics of Computation*, 41(163):87–102, July 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lubich:1985:FLM

[Lub85] Ch. Lubich. Fractional linear multistep methods for Abel–Volterra integral equations of the second kind. *Mathematics of Computation*, 45(172):463–469, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lucas:1983:PII

[Luc83a] Thomas R. Lucas. A posteriori improvements for interpolating periodic splines. *Mathematics of Computation*, 40(161): 243–251, January 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lucia:1983:EQN

[Luc83b] Angelo Lucia. An explicit quasi-Newton update for sparse optimization calculations. *Mathematics of Computation*, 40 (161):317–322, January 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lucier:1986:MMN

[Luc86a] Bradley J. Lucier. A moving mesh numerical method for hyperbolic conservation laws. *Mathematics of Computation*, 46(173):59–69, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lucier:1986:NMD

[Luc86b] Bradley J. Lucier. On nonlocal monotone difference schemes for scalar conservation laws. *Mathematics of Computation*, 47(175):19–36, July 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Luecke:1989:NAM

[Lue89] Glenn R. Luecke. Numerical approximation of minimum norm solutions of $Kf = g$ for special K. *Mathematics of Computation*, 53(188):563–569, October 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lukas:1988:CRR

[Luk88] Mark A. Lukas. Convergence rates for regularized solutions. *Mathematics of Computation*, 51(183):107–131, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lundin:1980:CFM

[Lun80] L. R. Lundin. A cardinal function method of solution of the equation $\Delta u = u - u^3$. *Mathematics of Computation*, 35(151):747–756, July 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lund:1983:SFQ

[Lun83] John Lund. Sinc function quadrature rules for the Fourier integral. *Mathematics of Computation*, 41(163):103–113, July 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lund:1986:SSG

[Lun86] John Lund. Symmetrization of the Sinc–Galerkin method for boundary value problems. *Mathematics of Computation*, 47(176):571–588, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Lunnon:1988:ISD

[Lun88] W. F. Lunnon. Integer sets with distinct subset-sums. *Mathematics of Computation*, 50(181):297–320, January 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Luskin:1980:FEM

[Lus80] Mitchell Luskin. A finite element method for first-order hyperbolic systems. *Mathematics of Computation*, 35 (152):1093–1112, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Landriani:1989:PAD

[LV89] Giovanni Sacchi Landriani and Hervé Vandeven. Polynomial approximation of divergence-free functions. *Mathematics of Computation*, 52(185):103–130, January 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Ling:1982:EIH

[LW82] Chih Bing Ling and Ming Jing Wu. Evaluation of integrals of Howland type involving a Bessel function. *Mathematics of Computation*, 38(157):215–222, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

MacLean:1980:RCP

[Mac80] D. W. MacLean. Residue classes of the partition function. *Mathematics of Computation*, 34(149):313–317, January 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Maeztu:1986:EGC

[Mae86] J. I. Maeztu. An estimate of goodness of cubatures for the unit circle in R^2. *Mathematics of Computation*, 47(176): 651–658, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Maher:1980:ETT

[Mah80] David P. Maher. Existence theorems for transforms over finite rings with applications to 2-D convolution. *Mathematics of Computation*, 35(151):757–765, July 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Mahoney:1981:PFE

[Mah81] J. F. Mahoney. Partial fraction evaluation by an escalation technique. *Mathematics of Computation*, 36(153):241–246, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Mahler:1982:ZSS

[Mah82] K. Mahler. On the zeros of a special sequence of polynomials. *Mathematics of Computation*, 39(159):207–212, July 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Mahoney:1985:PFE

[Mah85] J. F. Mahoney. Partial fraction evaluation and incomplete decomposition of a rational function whose denominator contains a repeated polynomial factor. *Mathematics of Computation*, 44(169): 167–175, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Majda:1986:SLS

[Maj86a] George Majda. Stability with large step sizes for multistep discretizations of stiff ordinary differential equations. *Mathematics of Computation*, 47(176):473–502, S41–S44, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Majda:1986:SSL

[Maj86b] George Majda. Supplement to stability with large step sizes for multistep discretizations of stiff ordinary differential equations. *Mathematics of Computation*, 47(176):S41–S44, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Makroglou:1980:CBB

[Mak80] Athena Makroglou. Convergence of a block-by-block method for nonlinear Volterra integro-differential equations. *Mathematics of Computation*, 35(151): 783–796, July 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Makroglou:1981:BBM

[Mak81] Athena Makroglou. A block-by-block method for Volterra integro-differential equations with weakly-singular kernel. *Mathematics of Computation*, 37(155): 95–99, July 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Malle:1988:PGG

[Mal88] Gunter Malle. Polynomials with Galois groups $\mathrm{Aut}(M_{22})$, M_{22}, and $\mathrm{PSL}_3(\mathbb{F}_4) \cdot 2_2$ over $\mathbb{Q}$. *Mathematics of Computation*, 51(184):761–768, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Manteuffel:1980:IFT

[Man80] T. A. Manteuffel. An incomplete factorization technique for positive definite linear systems. *Mathematics of Computation*, 34(150):473–497, April 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Mansfield:1984:CAC

[Man84] Richard Mansfield. A complete axiomatization of computer arithmetic. *Mathematics of Computation*, 42(166):623–635, April 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). URL `http://www.jstor.org/stable/2007607`.

Marsaglia:1980:GRV

[Mar80a] George Marsaglia. Generating random variables with a t-distribution. *Mathematics of Computation*, 34(149):235–236, January 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Marti:1980:CAC

[Mar80b] J. T. Marti. On the convergence of an algorithm computing minimum-norm solutions of ill-posed problems. *Mathematics of Computation*, 34(150):521–527, April 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Martins:1980:AOI

[Mar80c] M. Madalena Martins. On an accelerated overrelaxation iterative method for

linear systems with strictly diagonally dominant matrix. *Mathematics of Computation*, 35(152):1269–1273, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Martins:1981:NID

[Mar81] M. Madalena Martins. Note on irreducible diagonally dominant matrices and the convergence of the AOR iterative method. *Mathematics of Computation*, 37(155):101–103, July 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Markowich:1982:EPI

[Mar82a] Peter A. Markowich. Eigenvalue problems on infinite intervals. *Mathematics of Computation*, 39(160):421–441, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Marsden:1982:SIK

[Mar82b] M. J. Marsden. Spline interpolation at knot averages on a two-sided geometric mesh. *Mathematics of Computation*, 38(157):113–126, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Massidda:1983:ACC

[Mas83] Vittorio Massidda. Analytical calculation of a class of integrals containing exponential and trigonometric functions. *Mathematics of Computation*, 41(164): 555–557, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Mastroianni:1989:CPF

[Mas89] Giuseppe Mastroianni. On the convergence of product formulas for the evaluation of certain two-dimensional Cauchy principal value integrals. *Mathematics of Computation*, 52(185):95–101, January 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Mattheij:1987:CSB

[Mat87] R. M. M. Mattheij. On the computation of solutions of boundary value problems on infinite intervals. *Mathematics of Computation*, 48(178):533–549, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

McCormick:1981:MRM

[McC81a] Stephen F. McCormick. A mesh refinement method for $Ax = \lambda Bx$. *Mathematics of Computation*, 36(154):485–498, April 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

McCullagh:1981:RCS

[McC81b] Peter McCullagh. A rapidly convergent series for computing $\psi(z)$ and its derivatives. *Mathematics of Computation*, 36 (153):247–248, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

McCabe:1983:QDA

[McC83] J. H. McCabe. The quotient-difference algorithm and the Padé table: an alternative form and a general continued fraction. *Mathematics of Computation*, 41(163):183–197, July 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

McCurley:1984:EE

[McC84a] Kevin S. McCurley. Explicit estimates for $\theta(x; 3, l)$ and $\psi(x; 3, l)$. *Mathematics of Computation*, 42(165):287–296, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

McCurley:1984:EEE

[McC84b] Kevin S. McCurley. Explicit estimates for the error term in the prime number theorem for arithmetic progressions. *Mathematics of Computation*, 42(165): 265–285, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

McCarthy:1986:EIM

[McC86] D. P. McCarthy. Effect of improved multiplication efficiency on exponentiation algorithms derived from addition chains. *Mathematics of Computation*, 46(174): 603–608, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

McDaniel:1989:SPR

[McD89] Wayne L. McDaniel. Some pseudoprimes and related numbers having special forms. *Mathematics of Computation*, 53(187):407–409, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

McIntyre:1986:BIS

[McI86a] E. A. McIntyre, Jr. Boundary integral solutions of the heat equation. *Mathematics of Computation*, 46(173):71–79, S1–S14, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

McIntyre:1986:SBI

[McI86b] E. A. McIntyre, Jr. Supplement to boundary integral solutions of the heat equations. *Mathematics of Computation*, 46(173):S1–S14, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

McLean:1986:SGM

[McL86] W. McLean. A spectral Galerkin method for a boundary integral equation. *Mathematics of Computation*, 47(176):597–607, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Meek:1980:MVT

[Mee80] D. Meek. A mean value theorem for linear functionals. *Mathematics of Computation*, 35(151):797–802, July 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Meinardus:1985:RLM

[Mei85] Günter Meinardus. Remark on a lemma: "On a method of asymptotic evaluation of multiple integrals" [Math. Comp. **37** (1981), no. 156, 509–521, MR 83b:41040] by R. Wong and J. P. McClure. *Mathematics of Computation*, 45(171):197–198, July 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Mettke:1986:CIS

[Met86] Holger Mettke. Convex interpolation by splines of arbitrary degree. *Mathematics of Computation*, 46(174):567–576, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Meyer:1984:SIE

[Mey84] Burnett Meyer. Some inequalities for elementary mean values. *Mathematics of Computation*, 42(165):193–194, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Michelson:1983:STD

[Mic83] Daniel Michelson. Stability theory of difference approximations for multidimensional initial-boundary value problems.

Mathematics of Computation, 40(161): 1–45, January 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Michelson:1987:CTD

[Mic87] Daniel Michelson. Convergence theorem for difference approximations of hyperbolic quasi-initial-boundary value problems. *Mathematics of Computation*, 49 (180):445–459, October 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Miel:1980:MSE

[Mie80] George J. Miel. Majorizing sequences and error bounds for iterative methods. *Mathematics of Computation*, 34(149): 185–202, January 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Miklavcic:1989:AWN

[Mik89] Milan Miklavčič. Approximations for weakly nonlinear evolution equations. *Mathematics of Computation*, 53(188): 471–484, October 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Milgram:1985:GIE

[Mil85a] M. S. Milgram. The generalized integro-exponential function. *Mathematics of Computation*, 44(170):443–458, April 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Milner:1985:MFE

[Mil85b] F. A. Milner. Mixed finite element methods for quasilinear second-order elliptic problems. *Mathematics of Computation*, 44(170):303–320, April 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Milovanovic:1987:CLS

[Mil87] G. V. Milovanović. Corrigendum: "Least squares approximation with constraints". *Mathematics of Computation*, 48(178):854, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Minoli:1980:IFG

[Min80a] Daniel Minoli. Inductive formulae for general sum operations. *Mathematics of Computation*, 34(150):543–545, April 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Minoli:1980:INH

[Min80b] Daniel Minoli. Issues in nonlinear hyperperfect numbers. *Mathematics of Computation*, 34(150):639–645, April 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Misici:1984:NST

[Mis84] Luciano Misici. Numerical solution of two transcendental equations. *Mathematics of Computation*, 42(166):589–595, April 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Mittelmann:1983:EAB

[Mit83a] H. D. Mittelmann. An efficient algorithm for bifurcation problems of variational inequalities. *Mathematics of Computation*, 41(164):473–485, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Mityagin:1983:QPL

[Mit83b] Boris Mityagin. Quadratic pencils and least-squares piecewise-polynomial approximation. *Mathematics of Computation*, 40(161):283–300, January 1983.

CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Miyamoto:1989:EP

[MM89] Ian Miyamoto and M. Ram Murty. Elliptic pseudoprimes. *Mathematics of Computation*, 53(187):415–430, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Mori:1988:FDT

[MMM88] Shigefumi Mori, David R. Morrison, and Ian Morrison. On four-dimensional terminal quotient singularities. *Mathematics of Computation*, 51(184):769–786, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

McCurdy:1984:ACD

[MNP84] A. McCurdy, K. C. Ng, and B. N. Parlett. Accurate computation of divided differences of the exponential function. *Mathematics of Computation*, 43(168): 501–528, October 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Massias:1989:EBM

[MNR89] Jean-Pierre Massias, Jean-Louis Nicolas, and Guy Robin. Effective bounds for the maximal order of an element in the symmetric group. *Mathematics of Computation*, 53(188):665–678, October 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Meinardus:1989:APP

[MNSS89] G. Meinardus, G. Nürnberger, M. Sommer, and H. Strauss. Algorithms for piecewise polynomials and splines with free knots. *Mathematics of Computation*, 53(187):235–247, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Mollin:1987:CNQ

[Mol87] R. A. Mollin. Class numbers of quadratic fields determined by solvability of Diophantine equations. *Mathematics of Computation*, 48(177):233–242, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Mond:1981:AEL

[Mon81] B. Mond. On algorithmic equivalence in linear fractional programming. *Mathematics of Computation*, 37(155):185–187, July 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Monahan:1985:ARN

[Mon85a] John F. Monahan. Accuracy in random number generation. *Mathematics of Computation*, 45(172):559–568, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Montgomery:1985:MMT

[Mon85b] Peter L. Montgomery. Modular multiplication without trial division. *Mathematics of Computation*, 44(170):519–521, April 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). URL `http://www.ams.org/journals/mcom/1985-44-170/S0025-5718-1985-0777282-X/`.

Monegato:1986:QFF

[Mon86] Giovanni Monegato. Quadrature formulas for functions with poles near the interval of integration. *Mathematics of Computation*, 47(175):301–312, July 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Montgomery:1987:SPE

[Mon87] Peter L. Montgomery. Speeding the Pollard and elliptic curve methods of

factorization. *Mathematics of Computation*, 48(177):243–264, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Monk:1988:IFE

[Mon88] P. B. Monk. An iterative finite element method for approximating the biharmonic equation. *Mathematics of Computation*, 51(184):451–476, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Morain:1989:DEP

[Mor89] François Morain. On the lcm of the differences of eight primes. *Mathematics of Computation*, 52(185):225–229, January 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). See corrigenda [Mor90].

Morain:1990:CLD

[Mor90] François Morain. Corrigenda: "On the lcm of the differences of eight primes" [Math. Comput. **52** (1989), no. 185, 225–229]. *Mathematics of Computation*, 54 (190):911, April 1990. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). See [Mor89].

Mercier:1981:EAM

[MORR81] B. Mercier, J. Osborn, J. Rappaz, and P.-A. Raviart. Eigenvalue approximation by mixed and hybrid methods. *Mathematics of Computation*, 36(154): 427–453, April 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Mossige:1981:ACR

[Mos81] Svein Mossige. Algorithms for computing the h-range of the postage stamp problem. *Mathematics of Computation*, 36(154):575–582, April 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Mosier:1986:RNP

[Mos86] Ronald G. Mosier. Root neighborhoods of a polynomial. *Mathematics of Computation*, 47(175):265–273, July 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Mostrel:1989:SNS

[Mos89] Marco Mosché Mostrel. On some numerical schemes for transonic flow problems. *Mathematics of Computation*, 52(186): 587–613, April 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

McCabe:1985:ASG

[MP85] J. H. McCabe and G. M. Phillips. Aitken sequences and generalized Fibonacci numbers. *Mathematics of Computation*, 45(172):553–558, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Moody:1987:CCD

[MP87] R. V. Moody and J. Patera. Computation of character decompositions of class functions on compact semisimple Lie groups. *Mathematics of Computation*, 48(178):799–827, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Mathon:1981:CST

[MPR81] Rudolf A. Mathon, Kevin T. Phelps, and Alexander Rosa. A class of Steiner triple systems of order 21 and associated Kirkman systems. *Mathematics of Computation*, 37(155):209–222, July 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Markowich:1983:CMB

[MR83a] Peter A. Markowich and Christian A. Ringhofer. Collocation methods for boundary value problems on "long" intervals. *Mathematics of Computation*, 40 (161):123–150, January 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

McCormick:1983:UMS

[MR83b] S. F. McCormick and J. W. Ruge. Unigrid for multigrid simulation. *Mathematics of Computation*, 41(163):43–62, July 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Mattheij:1984:OSI

[MS84] R. M. M. Mattheij and G. W. M. Staarink. On optimal shooting intervals. *Mathematics of Computation*, 42(165): 25–40, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Mjolsness:1987:SPC

[MS87] R. C. Mjolsness and Blair Swartz. Some plane curvature approximations. *Mathematics of Computation*, 49(179):215–230, July 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Meinardus:1980:OPN

[MT80] Günter Meinardus and G. D. Taylor. Optimal partitioning of Newton's method for calculating roots. *Mathematics of Computation*, 35(152):1221–1230, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

McCormick:1986:FAC

[MT86] S. F. McCormick and J. W. Thomas. The fast adaptive composite grid (FAC) method for elliptic equations. *Mathematics of Computation*, 46(174):439–456, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Munz:1981:UEC

[Mun81] Harry Munz. Uniform expansions for a class of finite difference schemes for elliptic boundary value problems. *Mathematics of Computation*, 36(153):155–170, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Murray:1982:FF

[Mur82] Francis J. Murray. Formulas for factorial N. *Mathematics of Computation*, 39 (160):655–662, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Manteuffel:1986:NSS

[MW86a] Thomas A. Manteuffel and Andrew B. White, Jr. The numerical solution of second-order boundary value problems on nonuniform meshes. *Mathematics of Computation*, 47(176):511–535, S53–S55, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Manteuffel:1986:SNS

[MW86b] Thomas A. Manteuffel and Andrew B. White, Jr. Supplement to the numerical solution of second-order boundary value problems on nonuniform meshes. *Mathematics of Computation*, 47(176): S53–S55, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Milovanovic:1986:LSA

[MW86c] Gradimir V. Milovanović and Staffan Wrigge. Least squares approximation

with constraints. *Mathematics of Computation*, 46(174):551–565, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Markowich:1988:IAT

[MZ88] Peter A. Markowich and Miloš A. Zlámal. Inverse-average-type finite element discretizations of selfadjoint second-order elliptic problems. *Mathematics of Computation*, 51(184):431–449, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Marsaglia:1989:NSS

[MZM89] George Marsaglia, Arif Zaman, and John C. W. Marsaglia. Numerical solution of some classical differential-difference equations. *Mathematics of Computation*, 53(187):191–201, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Nakao:1984:CGM

[Nak84] Mitsuhiro Nakao. A collocation-H^{-1}-Galerkin method for some elliptic equations. *Mathematics of Computation*, 42(166):417–426, April 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Nassif:1987:EFD

[Nas87] Nabil R. Nassif. Eigenvalue finite difference approximations for regular and singular Sturm–Liouville problems. *Mathematics of Computation*, 49(180):561–580, October 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Naur:1983:NIF

[Nau83] Thorkil Naur. New integer factorizations. *Mathematics of Computation*, 41 (164):687–695, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Noll:1989:C

[NB89] Landon Curt Noll and David I. Bell. n-clusters for $1 < n < 7$. *Mathematics of Computation*, 53(187):439–444, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Neta:1980:DBP

[Net80] Beny Neta. On determination of best-possible constants in integral inequalities involving derivatives. *Mathematics of Computation*, 35(152):1191–1193, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Neubauer:1987:FDA

[Neu87] A. Neubauer. Finite-dimensional approximation of constrained Tikhonov-regularized solutions of ill-posed linear operator equations. *Mathematics of Computation*, 48(178):565–583, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Newman:1984:ABS

[New84] J. N. Newman. Approximations for the Bessel and Struve functions. *Mathematics of Computation*, 43(168):551–556, October 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Newman:1985:SVF

[New85] D. J. Newman. A simplified version of the fast algorithms of Brent and Salamin. *Mathematics of Computation*, 44(169):207–210, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Newman:1986:CWM

[New86] D. J. Newman. Computing when multiplications cost nothing. *Mathematics of Computation*, 46(173):255–257, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Nielson:1983:MIS

[Nie83] Gregory M. Nielson. A method for interpolating scattered data based upon a minimum norm network. *Mathematics of Computation*, 40(161):253–271, January 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Niederreiter:1989:STC

[Nie89] Harald Niederreiter. The serial test for congruential pseudorandom numbers generated by inversions. *Mathematics of Computation*, 52(185):135–144, January 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Noll:1980:MP

[NN80] Curt Noll and Laura Nickel. The 25 th and 26 th Mersenne primes. *Mathematics of Computation*, 35(152):1387–1390, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Nocedal:1980:UQN

[Noc80] Jorge Nocedal. Updating quasi-Newton matrices with limited storage. *Mathematics of Computation*, 35(151):773–782, July 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Nochetto:1989:SEM

[Noc89] Ricardo H. Nochetto. A stable extrapolation method for multidimensional degenerate parabolic problems. *Mathematics of Computation*, 53(188):455–470, October 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Nour-Omid:1987:HIS

[NOPEJ87] Bahram Nour-Omid, Beresford N. Parlett, Thomas Ericsson, and Paul S. Jensen. How to implement the spectral transformation. *Mathematics of Computation*, 48(178):663–673, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Newman:1984:SAS

[NS84] Morris Newman and Daniel Shanks. On a sequence arising in series for π. *Mathematics of Computation*, 42(165):199–217, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Neumaier:1985:DDS

[NS85] A. Neumaier and A. Schäfer. Divided differences, shift transformations and Larkin's root finding method. *Mathematics of Computation*, 45(171):181–196, July 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Newman:1987:NVG

[NT87] Morris Newman and Robert C. Thompson. Numerical values of Goldberg's coefficients in the series for $\log(e^x e^y)$. with microfiche supplement. *Mathematics of Computation*, 48(177):265–271, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Nagaraja:1982:EI

[NV82] K. S. Nagaraja and G. R. Verma. Evaluation of the integral $\int_0^p u^n e^{-u^2}(u + x)^{-1} du$. *Mathematics of Computation*, 39(159):179–194, July 1982. CODEN

MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Nochetto:1988:ELS

[NV88] Ricardo H. Nochetto and Claudio Verdi. An efficient linear scheme to approximate parabolic free boundary problems: error estimates and implementation. *Mathematics of Computation*, 51 (183):27–53, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Nemeth:1982:PTP

[NZ82] Géza Németh and Magda Zimányi. Polynomial type Padé approximants. *Mathematics of Computation*, 38(158):553–565, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Odlyzko:1987:DSB

[Odl87] A. M. Odlyzko. On the distribution of spacings between zeros of the zeta function. *Mathematics of Computation*, 48 (177):273–308, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Osher:1985:ECS

[OHW85] Stanley Osher, Mohamed Hafez, and Woodrow Whitlow, Jr. Entropy condition satisfying approximations for the full potential equation of transonic flow. *Mathematics of Computation*, 44(169): 1–29, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Okecha:1987:QFC

[Oke87] G. E. Okecha. Quadrature formulae for Cauchy principal value integrals of oscillatory kind. *Mathematics of Computation*, 49(179):259–268, July 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Okui:1983:SIR

[Oku83] Shigehiko Okui. Some integrals relating to the I_e-function. *Mathematics of Computation*, 41(164):613–622, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Olmsted:1986:TFG

[Olm86] Coert Olmsted. Two formulas for the general multivariate polynomial which interpolates a regular grid on a simplex. *Mathematics of Computation*, 47(175): 275–284, July 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Olver:1988:EBL

[Olv88] F. W. J. Olver. Error bounds for linear recurrence relations. *Mathematics of Computation*, 50(182):481–499, April 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Onumanyi:1984:NSS

[OO84] P. Onumanyi and E. L. Ortiz. Numerical solution of stiff and singularly perturbed boundary value problems with a segmented-adaptive formulation of the tau method. *Mathematics of Computation*, 43(167):189–203, July 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Osher:1982:UDS

[OS82] Stanley Osher and Fred Solomon. Upwind difference schemes for hyperbolic systems of conservation laws. *Mathematics of Computation*, 38(158):339–374, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Osher:1983:NAN

[OS83] Stanley Osher and Richard Sanders. Numerical approximations to nonlinear conservation laws with locally varying time and space grids. *Mathematics of Computation*, 41(164):321–336, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

ORiordan:1986:ASR

[OS86a] Eugene O'Riordan and Martin Stynes. An analysis of a superconvergence result for a singularly perturbed boundary value problem. *Mathematics of Computation*, 46(173):81–92, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

ORiordan:1986:UAF

[OS86b] Eugene O'Riordan and Martin Stynes. A uniformly accurate finite-element method for a singularly perturbed one-dimensional reaction-diffusion problem. *Mathematics of Computation*, 47(176): 555–570, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Osher:1988:CDA

[OT88] Stanley Osher and Eitan Tadmor. On the convergence of difference approximations to scalar conservation laws. *Mathematics of Computation*, 50(181): 19–51, January 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Paige:1980:EAS

[Pai80] C. C. Paige. Error analysis of some techniques for updating orthogonal decompositions. *Mathematics of Computation*, 34(150):465–471, April 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Paine:1982:CSL

[Pai82] J. Paine. Correction of Sturm–Liouville eigenvalue estimates. *Mathematics of Computation*, 39(160):415–420, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Papatheodorou:1983:BAI

[Pap83] Theodore S. Papatheodorou. Block AOR iteration for nonsymmetric matrices. *Mathematics of Computation*, 41 (164):511–525, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Parter:1980:RSC

[Par80] Seymour V. Parter. On the roles of "stability" and "convergence" in semidiscrete projection methods for initial-value problems. *Mathematics of Computation*, 34(149):127–154, January 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Parson:1983:LBN

[Par83] L. Alayne Parson. A lower bound for the norm of the theta operator. *Mathematics of Computation*, 41(164):683–685, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Pasciak:1980:SPS

[Pas80] Joseph E. Pasciak. Spectral and pseudo spectral methods for advection equations. *Mathematics of Computation*, 35(152):1081–1092, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Pasciak:1984:NSP

[Pas84] Joseph E. Pasciak. A new scalar potential formulation of the magnetostatic

field problem. *Mathematics of Computation*, 43(168):433–445, October 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Petho:1986:PPP

[PdW86] A. Pethö and B. M. M. de Weger. Products of prime powers in binary recurrence sequences. part I: The hyperbolic case, with an application to the generalized Ramanujan–Nagell equation. *Mathematics of Computation*, 47(176):713–727, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Pennline:1981:ICR

[Pen81] James A. Pennline. Improving convergence rate in the method of successive approximations. *Mathematics of Computation*, 37(155):127–134, July 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Pereira:1985:ECF

[Per85] N. Costa Pereira. Estimates for the Chebyshev function $\psi(x) - \theta(x)$. *Mathematics of Computation*, 44(169):211–221, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). See corrigendum [Per87].

Pereira:1987:CEC

[Per87] N. Costa Pereira. Corrigendum: "Estimates for the Chebyshev function $\psi(x) - \theta(x)$" [Math. Comp. **44** (1985), no. 169, 211–221, MR 86k:11005]. *Mathematics of Computation*, 48(177):447, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). See [Per85].

Pexton:1981:TEF

[Pex81] Robert L. Pexton. Table errata: *Formulas and theorems for the special functions of mathematical physics* [third edition, Springer, New York, 1966 and F. Oberhettinger MR **38** #1291] by W. Magnus and R. P. Soni. *Mathematics of Computation*, 36(153):316–317, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Plesken:1984:LSD

[PH84] W. Plesken and W. Hanrath. The lattices of six-dimensional Euclidean space. *Mathematics of Computation*, 43(168): 573–587, October 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Philip:1980:CPC

[Phi80] J. R. Philip. The convergence and partial convergence of alternating series. *Mathematics of Computation*, 35(151): 907–916, July 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Philip:1987:TES

[Phi87] J. R. Maclaurin Philip. Table errata: "The symmetrical Euler-summation formula" [Math. Sci. **6** (1981), no. 1, 35–41, MR 82g:40002]. *Mathematics of Computation*, 48(178):851, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Piazza:1981:SRK

[Pia81] Giuseppe Piazza. On the BN stability of the Runge–Kutta methods. *Mathematics of Computation*, 37(156):399–401, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Piessens:1984:SEF

[Pie84] R. Piessens. A series expansion for the first positive zero of the Bessel functions. *Mathematics of Computation*, 42(165):

195–197, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Pierre:1988:CPN

[Pie88] Roger Pierre. Convergence properties and numerical approximation of the solution of the Mindlin plate bending problem. *Mathematics of Computation*, 51 (183):15–25, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Pitkaranta:1980:LSC

[Pit80] Juhani Pitkäranta. Local stability conditions for the Babuška method of Lagrange multipliers. *Mathematics of Computation*, 35(152):1113–1129, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Pitkaranta:1981:FEM

[Pit81] Juhani Pitkäranta. The finite element method with Lagrange multipliers for domains with corners. *Mathematics of Computation*, 37(155):13–30, July 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Pohst:1987:CIE

[Poh87] M. Pohst. On computing isomorphisms of equation orders. *Mathematics of Computation*, 48(177):309–314, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Pomerance:1981:DP

[Pom81] Carl Pomerance. On the distribution of pseudoprimes. *Mathematics of Computation*, 37(156):587–593, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Pomerance:1987:VSP

[Pom87] Carl Pomerance. Very short primality proofs. *Mathematics of Computation*, 48 (177):315–322, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Porsching:1985:EER

[Por85] T. A. Porsching. Estimation of the error in the reduced basis method solution of nonlinear equations. *Mathematics of Computation*, 45(172):487–496, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Plesken:1980:MFIa

[PP80a] Wilhelm Plesken and Michael Pohst. On maximal finite irreducible subgroups of $GL(n, \mathbf{Z})$: III. the nine dimensional case. *Mathematics of Computation*, 34(149): 245–258, January 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Plesken:1980:MFIb

[PP80b] Wilhelm Plesken and Michael Pohst. On maximal finite irreducible subgroups of $GL(n, \mathbf{Z})$: IV. remarks on even dimensions with applications to $n = 8$. *Mathematics of Computation*, 34(149):259–275, January 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Plesken:1980:MFIc

[PP80c] Wilhelm Plesken and Michael Pohst. On maximal finite irreducible subgroups of $GL(n, \mathbf{Z})$: V. the eight dimensional case and a complete description of dimensions less than ten. *Mathematics of Computation*, 34(149):277–301, January 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Plesken:1985:CIL

[PP85a] W. Plesken and M. Pohst. Constructing integral lattices with prescribed minimum. I. *Mathematics of Computation*, 45(171):209–221, S5–S16, July 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Plesken:1985:SCI

[PP85b] W. Plesken and M. Pohst. Supplement to constructing integral lattices with prescribed minimum. I. *Mathematics of Computation*, 45(171):S5–S16, July 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Pritchard:1983:EPA

[Pri83] Paul A. Pritchard. Eighteen primes in arithmetic progression. *Mathematics of Computation*, 41(164):697, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Pritchard:1985:LAP

[Pri85] Paul A. Pritchard. Long arithmetic progressions of primes: some old, some new. *Mathematics of Computation*, 45(171): 263–267, July 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Pitkaranta:1983:ASM

[PS83] J. Pitkäranta and R. Stenberg. Analysis of some mixed finite element methods for plane elasticity equations. *Mathematics of Computation*, 41(164):399–423, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Pitkaranta:1985:MVS

[PS85] Juhani Pitkäranta and Tuomo Saarinen. A multigrid version of a simple finite element method for the Stokes problem. *Mathematics of Computation*, 45(171): 1–14, July 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Parlett:1982:ELE

[PSS82] B. N. Parlett, H. Simon, and L. M. Stringer. On estimating the largest eigenvalue with the Lánczos algorithm. *Mathematics of Computation*, 38(157): 153–165, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Pintz:1989:ISP

[PSS89] János Pintz, William L. Steiger, and Endre Szemerédi. Infinite sets of primes with fast primality tests and quick generation of large primes. *Mathematics of Computation*, 53(187):399–406, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Pomerance:1980:P

[PSW80] Carl Pomerance, J. L. Selfridge, and Samuel S. Wagstaff, Jr. The pseudoprimes to $25 \cdot 10^9$. *Mathematics of Computation*, 35(151):1003–1026, July 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Pasquini:1985:GCM

[PT85] L. Pasquini and D. Trigiante. A globally convergent method for simultaneously finding polynomial roots. *Mathematics of Computation*, 44(169):135–149, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Parlett:1985:LAL

[PTL85] Beresford N. Parlett, Derek R. Taylor, and Zhishun A. Liu. A look-ahead Lánczos algorithm for unsymmetric matrices. *Mathematics of Computation*, 44

(169):105–124, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Puckett:1989:CRP

[Puc89] Elbridge Gerry Puckett. Convergence of a random particle method to solutions of the Kolmogorov equation $u_t = \nu u_{xx} + u(1-u)$. *Mathematics of Computation*, 52(186):615–645, April 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Patterson:1985:SPC

[PW85] C. D. Patterson and H. C. Williams. Some periodic continued fractions with long periods. *Mathematics of Computation*, 44(170):523–532, April 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Pohst:1982:ECFb

[PWZ82] Michael Pohst, Peter Weiler, and Hans Zassenhaus. On effective computation of fundamental units. II. *Mathematics of Computation*, 38(157):293–329, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Pohst:1982:ECFa

[PZ82] Michael Pohst and Hans Zassenhaus. On effective computation of fundamental units. I. *Mathematics of Computation*, 38(157):275–291, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Queen:1981:MFA

[Que81] Larissa Queen. Modular functions arising from some finite groups. *Mathematics of Computation*, 37(156):547–580, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Rabinowitz:1980:EDP

[Rab80] Philip Rabinowitz. The exact degree of precision of generalized Gauss–Kronrod integration rules. *Mathematics of Computation*, 35(152):1275–1283, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Rabinowitz:1983:GKI

[Rab83] Philip Rabinowitz. Gauss–Kronrod integration rules for Cauchy principal value integrals. *Mathematics of Computation*, 41(163):63–78, July 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Rabinowitz:1985:CGK

[Rab85] Philip Rabinowitz. Correction: "Gauss–Kronrod integration rules for Cauchy principal value integrals" [Math. Comp. **41** (1983), no. 1, 63–78, MR 84i:65029]. *Mathematics of Computation*, 45(171): 277, July 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Rabinowitz:1986:DGK

[Rab86a] Philip Rabinowitz. On the definiteness of Gauss–Kronrod integration rules. *Mathematics of Computation*, 46(173): 225–227, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Rabinowitz:1986:RCG

[Rab86b] Philip Rabinowitz. Rates of convergence of Gauss, Lobatto, and Radau integration rules for singular integrands. *Mathematics of Computation*, 47(176):625–638, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Rabinowitz:1988:CRP

[Rab88a] Philip Rabinowitz. Convergence results for piecewise linear quadratures for Cauchy principal value integrals. *Mathematics of Computation*, 51(184):741–747, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Rabinowitz:1988:CGK

[Rab88b] Philip Rabinowitz. Corrigenda: "Gauss–Kronrod integration rules for Cauchy principal value integrals" [Math. Comp. **41** (1983), no. 163, 63–78, MR 84i:65029]. *Mathematics of Computation*, 50(182):655, April 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Rall:1983:RIO

[Ral83] L. B. Rall. Representations of intervals and optimal error bounds. *Mathematics of Computation*, 41(163):219–227, July 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Rayner:1988:WUDa

[Ray88a] Francis J. Rayner. Weak uniform distribution for divisor functions. I. *Mathematics of Computation*, 50(181):335–342, January 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Rayner:1988:WUDb

[Ray88b] Francis J. Rayner. Weak uniform distribution for divisor functions. II. *Mathematics of Computation*, 51(183):331–337, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Reichel:1985:PAC

[Rei85] Lothar Reichel. On polynomial approximation in the complex plane with application to conformal mapping. *Mathematics of Computation*, 44(170):425–433, April 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Reichert:1986:EDN

[Rei86] Markus A. Reichert. Explicit determination of nontrivial torsion structures of elliptic curves over quadratic number fields. *Mathematics of Computation*, 46(174):637–658, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Rice:1981:PLS

[RHD81] John R. Rice, Elias N. Houstis, and Wayne R. Dyksen. A population of linear, second order, elliptic partial differential equations on rectangular domains. part I. *Mathematics of Computation*, 36(154):475–484, April 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Rheinboldt:1984:DAS

[Rhe84] Werner C. Rheinboldt. Differential-algebraic systems as differential equations on manifolds. *Mathematics of Computation*, 43(168):473–482, October 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Richter:1981:NIS

[Ric81] Gerard R. Richter. Numerical identification of a spatially varying diffusion coefficient. *Mathematics of Computation*, 36(154):375–386, April 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Richter:1988:OOE

[Ric88] Gerard R. Richter. An optimal-order error estimate for the discontinuous Galerkin method. *Mathematics of Computation*, 50(181):75–88, January 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Riley:1983:ACI

[Ril83] Robert Riley. Applications of a computer implementation of Poincaré's theorem on fundamental polyhedra. *Mathematics of Computation*, 40(162):607–632, April 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Rabinowitz:1989:NIR

[RL89] P. Rabinowitz and D. S. Lubinsky. Noninterpolatory integration rules for Cauchy principal value integrals. *Mathematics of Computation*, 53(187):279–295, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Roberts:1989:CRW

[Rob89] Stephen Roberts. Convergence of a random walk method for the Burgers equation. *Mathematics of Computation*, 52 (186):647–673, April 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Rose:1983:NMF

[Ros83] Michael E. Rose. Numerical methods for flows through porous media. I. *Mathematics of Computation*, 40(162):435–467, April 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Rotkiewicz:1982:ELP

[Rot82] A. Rotkiewicz. On Euler Lehmer pseudoprimes and strong Lehmer pseudoprimes with parameters L, Q in arithmetic progressions. *Mathematics of Computation*, 39(159):239–247, July 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Rotkiewicz:1984:C

[Rot84] A. Rotkiewicz. On the congruence $2^{n-2} \equiv 1 (\mathrm{mod}\, n)$. *Mathematics of Computation*, 43(167):271–272, July 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Rannacher:1982:SOE

[RS82] Rolf Rannacher and Ridgway Scott. Some optimal error estimates for piecewise linear finite element approximations. *Mathematics of Computation*, 38(158):437–445, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Ruck:1987:NEC

[Rüc87] Hans-Georg Rück. A note on elliptic curves over finite fields. *Mathematics of Computation*, 49(179):301–304, July 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Rusin:1989:CGO

[Rus89] David J. Rusin. The cohomology of the groups of order 32. *Mathematics of Computation*, 53(187):359–385, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Rodrigue:1984:PIB

[RW84] Garry Rodrigue and Donald Wolitzer. Preconditioning by incomplete block cyclic reduction. *Mathematics of Computation*, 42(166):549–565, April 1984.

CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Saad:1981:KSM

[Saa81] Y. Saad. Krylov subspace methods for solving large unsymmetric linear systems. *Mathematics of Computation*, 37(155):105–126, July 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Saad:1984:CAT

[Saa84] Youcef Saad. Chebyshev acceleration techniques for solving nonsymmetric eigenvalue problems. *Mathematics of Computation*, 42(166):567–588, April 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Saad:1987:LMS

[Saa87] Youcef Saad. On the Lánczos method for solving symmetric systems with several right-hand sides. *Mathematics of Computation*, 48(178):651–662, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Salzer:1980:MCF

[Sal80] Herbert E. Salzer. Misstatements in Milne-Thomson, Calculus of Finite Differences, Macmillan, London, 1933. *Mathematics of Computation*, 34(149): 323–324, January 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Salzer:1981:EHN

[Sal81] Herbert E. Salzer. Errata: *A history of numerical analysis from the 16th through the 19th century* [Springer, New York, 1977]. MR **58** #4774 by H. H. Goldstine. *Mathematics of Computation*, 36(153): 319–320, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Salzer:1984:TET

[Sal84] Herbert E. Salzer. Table errata: *Table of sines and cosines to ten decimal places at thousandths of a degree* [Pergamon, New York, 1962 and MR **26** #361] by Salzer and N. Levine. *Mathematics of Computation*, 43(167):346, July 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Sanders:1983:CMF

[San83] Richard Sanders. On convergence of monotone finite difference schemes with variable spatial differencing. *Mathematics of Computation*, 40(161):91–106, January 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Sanders:1988:TOA

[San88] Richard Sanders. A third-order accurate variation nonexpansive difference scheme for single nonlinear conservation laws. *Mathematics of Computation*, 51 (184):535–558, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Saranen:1987:LEE

[Sar87] Jukka Saranen. Local error estimates for some Petrov–Galerkin methods applied to strongly elliptic equations on curves. *Mathematics of Computation*, 48(178): 485–502, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Scarowsky:1984:NDE

[SB84] Manny Scarowsky and Abraham Boyarsky. A note on the Diophantine equation $x^n + y^n + z^n = 3$. *Mathematics of Computation*, 42(165):235–237, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Schatzman:1989:NAW

[SB89] Michelle Schatzman and Michel Bercovier. Numerical approximation of a wave equation with unilateral constraints. *Mathematics of Computation*, 53(187):55–79, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Schatz:1980:WDM

[Sch80a] Alfred H. Schatz. A weak discrete maximum principle and stability of the finite element method in L_∞ on plane polygonal domains. I. *Mathematics of Computation*, 34(149):77–91, January 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Schonfelder:1980:VHA

[Sch80b] J. L. Schonfelder. Very high accuracy Chebyshev expansions for the basic trigonometric functions. *Mathematics of Computation*, 34(149):237–244, January 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Schneider:1981:PIW

[Sch81] Claus Schneider. Product integration for weakly singular integral equations. *Mathematics of Computation*, 36(153): 207–213, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Scheid:1983:ANS

[Sch83a] Robert E. Scheid, Jr. The accurate numerical solution of highly oscillatory ordinary differential equations. *Mathematics of Computation*, 41(164):487–509, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Schoof:1983:CGC

[Sch83b] R. J. Schoof. Class groups of complex quadratic fields. *Mathematics of Computation*, 41(163):295–302, July 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Schwindt:1983:TSC

[Sch83c] H. Schwindt. Three summation criteria for Fermat's Last Theorem. *Mathematics of Computation*, 40(162):715–716, April 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Schaffer:1984:HOM

[Sch84a] Steve Schaffer. Higher order multi-grid methods. *Mathematics of Computation*, 43(167):89–115, S1–19, July 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Schaffer:1984:SHO

[Sch84b] Steve Schaffer. Supplement to higher order multi-grid methods. *Mathematics of Computation*, 43(167):S1–S19, July 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Schechter:1984:SCR

[Sch84c] Eric Schechter. Sharp convergence rates for nonlinear product formulas. *Mathematics of Computation*, 43(167):135–155, July 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Scheid:1985:DMP

[Sch85a] Robert E. Scheid, Jr. Difference methods for problems with different time scales. *Mathematics of Computation*, 44(169):81–92, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Schonbek:1985:SOC

[Sch85b] Maria E. Schonbek. Second-order conservative schemes and the entropy condition. *Mathematics of Computation*, 44(169):31–38, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Schoof:1985:ECF

[Sch85c] René Schoof. Elliptic curves over finite fields and the computation of square roots mod p. *Mathematics of Computation*, 44(170):483–494, April 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Schmeiser:1986:ASB

[Sch86] Christian Schmeiser. Approximate solution of boundary value problems on infinite intervals by collocation methods. *Mathematics of Computation*, 46(174): 479–490, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Scraton:1988:CST

[Scr88] R. E. Scraton. A comparison of some Taylor and Chebyshev series. *Mathematics of Computation*, 50(181):207–213, January 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Serbin:1980:FCC

[Ser80] Steven M. Serbin. On factoring a class of complex symmetric matrices without pivoting. *Mathematics of Computation*, 35(152):1231–1234, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Setzer:1980:DAI

[Set80] Bennett Setzer. The determination of all imaginary, quartic, Abelian number fields with class number 1. *Mathematics of Computation*, 35(152):1383–1386, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Seysen:1987:PFA

[Sey87] Martin Seysen. A probabilistic factorization algorithm with quadratic forms of negative discriminant. *Mathematics of Computation*, 48(178):757–780, April 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Smith:1982:NCN

[SF82] David A. Smith and William F. Ford. Numerical comparisons of nonlinear convergence accelerators. *Mathematics of Computation*, 38(158):481–499, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Stinson:1985:STS

[SF85] D. R. Stinson and H. Ferch. 2 000 000 Steiner triple systems of order 19. *Mathematics of Computation*, 44(170):533–535, April 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Stoyanov:1987:AE

[SF87] Basil J. Stoyanov and Richard A. Farrell. On the asymptotic evaluation of $\int_0^{\pi/2} J_0^2(\gamma \sin x)dx$. *Mathematics of Computation*, 49(179):275–279, July 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Shrager:1980:NCF

[SH80] Richard I. Shrager and Edward Hill, Jr. Nonlinear curve-fitting in the L_1 and L_∞ norms. *Mathematics of Computation*, 34(150):529–541, April 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Shanno:1980:VMM

[Sha80] D. F. Shanno. On variable-metric methods for sparse Hessians. *Mathematics of Computation*, 34(150):499–514, April 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Shampine:1981:TIO

[Sha81] L. F. Shampine. Type-insensitive ODE codes based on implicit A-stable formulas. *Mathematics of Computation*, 36(154):499–510, April 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Shampine:1982:TIO

[Sha82a] L. F. Shampine. Type-insensitive ODE codes based on implicit $A(\alpha)$-stable formulas. *Mathematics of Computation*, 39(159):109–123, July 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Shanks:1982:CHC

[Sha82b] Daniel Shanks. Corrigendum: H. C. Williams, "Some primes with interesting digit patterns" [Math. Comp. **32** (1978), no. 144, 1306–1310, MR **58** #484]. *Mathematics of Computation*, 39(160): 759, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Shawyer:1984:BAP

[Sha84] B. L. R. Shawyer. Best approximation of positive power series. *Mathematics of Computation*, 43(168):529–534, October 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Shampine:1986:SPR

[Sha86] Lawrence F. Shampine. Some practical Runge–Kutta formulas. *Mathematics of Computation*, 46(173):135–150, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Shen:1986:C

[She86] Mok-Kong Shen. On the congruence $2^{n-k} \equiv 1 (\mathrm{mod}\, n)$. *Mathematics of Computation*, 46(174):715–716, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Shi:1984:CPQ

[Shi84] Zhong Ci Shi. On the convergence properties of the quadrilateral elements of Sander and Beckers. *Mathematics of Computation*, 42(166):493–504, April 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Shiu:1986:CST

[Shi86] Peter Shiu. Counting sums of two squares: the Meissel–Lehmer method. *Mathematics of Computation*, 47(175): 351–360, July 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). See corrigendum [Shi19].

Shi:1987:FMT

[Shi87] Zhong Ci Shi. The F–E–M test for convergence of nonconforming finite elements. *Mathematics of Computation*, 49 (180):391–405, October 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Shiu:2019:CCS

[Shi19] Peter Shiu. Corrigendum to "Counting sums of two squares: the Meissel–Lehmer method". *Mathematics of Computation*, 88(320):2935–2938, October 2019. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). URL `https://www.ams.org/AMSMathViewer; https://www.ams.org/journals/mcom/2019-88-320/S0025-5718-2019-03477-4;`

https://www.ams.org/journals/mcom/2019-88-320/S0025-5718-2019-03477-4/S0025-5718-2019-03477-4.pdf; https://www.ams.org/mathscinet/search/authors.html?mrauthid=160965.

Shrager:1985:RRR

[Shr85] Richard I. Shrager. A rapid robust rootfinder. *Mathematics of Computation*, 44(169):151–165, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Shu:1987:TBT

[Shu87a] Chi-Wang Shu. TVB boundary treatment for numerical solutions of conservation laws. *Mathematics of Computation*, 49(179):123–134, July 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Shu:1987:TUH

[Shu87b] Chi-Wang Shu. TVB uniformly high-order schemes for conservation laws. *Mathematics of Computation*, 49(179): 105–121, July 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Sidi:1980:ACT

[Sid80a] Avram Sidi. Analysis of convergence of the T-transformation for power series. *Mathematics of Computation*, 35(151): 833–850, July 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Sidi:1980:NQN

[Sid80b] Avram Sidi. Numerical quadrature and nonlinear sequence transformations; unified rules for efficient computation of integrals with algebraic and logarithmic endpoint singularities. *Mathematics of Computation*, 35(151):851–874, July 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Sidi:1982:NEV

[Sid82a] Avram Sidi. The numerical evaluation of very oscillatory infinite integrals by extrapolation. *Mathematics of Computation*, 38(158):517–529, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Sidi:1982:NQR

[Sid82b] Avram Sidi. Numerical quadrature rules for some infinite range integrals. *Mathematics of Computation*, 38(157):127–142, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Sidi:1988:UFE

[Sid88] Avram Sidi. A user-friendly extrapolation method for oscillatory infinite integrals. *Mathematics of Computation*, 51(183):249–266, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Silverman:1987:MPQ

[Sil87] Robert D. Silverman. The multiple polynomial quadratic sieve. *Mathematics of Computation*, 48(177):329–339, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Silverman:1988:CHE

[Sil88] Joseph H. Silverman. Computing heights on elliptic curves. *Mathematics of Computation*, 51(183):339–358, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Simon:1984:LAP

[Sim84] Horst D. Simon. The Lánczos algorithm with partial reorthogonalization. *Math-*

ematics of Computation, 42(165):115–142, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Suli:1985:FDA

[SJI85] Endre Süli, Boško Jovanović, and Lav Ivanović. Finite difference approximations of generalized solutions. *Mathematics of Computation*, 45(172):319–327, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Skeel:1980:IRI

[Ske80] Robert D. Skeel. Iterative refinement implies numerical stability for Gaussian elimination. *Mathematics of Computation*, 35(151):817–832, July 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Skeel:1986:CEF

[Ske86a] R. D. Skeel. Corrigendum: "Equivalent forms of multistep formulas" [Math. Comp. **33** (1979), no. 148, 1229–1250, MR 80j:65027]. *Mathematics of Computation*, 47(176):769, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Skeel:1986:CVS

[Ske86b] Robert D. Skeel. Construction of variable-stepsize multistep formulas. *Mathematics of Computation*, 47(176): 503–510, S45–S52, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Skeel:1986:SCV

[Ske86c] Robert D. Skeel. Supplement to construction of variable-stepsize multistep formulas. *Mathematics of Computation*, 47(176):S45–S52, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Shepherd:1981:CA

[SL81] M. M. Shepherd and J. G. Laframboise. Chebyshev approximation of $(1 + 2x)\exp(x^2)\operatorname{erfc} x$ in $0 \leq x < \infty$. *Mathematics of Computation*, 36(153):249–253, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Schnorr:1984:MCF

[SL84] C. P. Schnorr and H. W. Lenstra, Jr. A Monte Carlo factoring algorithm with linear storage. *Mathematics of Computation*, 43(167):289–311, July 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Salzer:1985:TET

[SL85] Herbert E. Salzer and Norman Levine. Table errata: *Tables of sines and cosines to ten decimal places at thousandths of a degree* [Pergamon Press, New York, 1962 and MR **26** #361]. *Mathematics of Computation*, 44(169):281, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Sloan:1989:RLQ

[SL89] Ian H. Sloan and James N. Lyness. The representation of lattice quadrature rules as multiple sums. *Mathematics of Computation*, 52(185):81–94, January 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Sloan:1981:QMI

[Slo81] Ian H. Sloan. Quadrature methods for integral equations of the second kind over infinite intervals. *Mathematics of Computation*, 36(154):511–523, April 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Sloan:1983:BCF

[Slo83] D. M. Sloan. Boundary conditions for a fourth order hyperbolic difference scheme. *Mathematics of Computation*, 41(163):1–11, July 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Sugihara:1982:NHM

[SM82] Masaaki Sugihara and Kazuo Murota. A note on Haselgrove's method for numerical integration. *Mathematics of Computation*, 39(160):549–554, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Smith:1983:TEH

[Smi83] John M. Smith. Table errata: *Handbook of mathematical functions with formulas, graphs and mathematical tables* [Nat. Bur. Standards, Washington, D.C., 1964 and MR **29** #4914]. *Mathematics of Computation*, 40(162):723–724, April 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Smith:1989:EMP

[Smi89] David M. Smith. Efficient multiple-precision evaluation of elementary functions. *Mathematics of Computation*, 52 (185):131–134, January 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Smyth:1981:MTR

[Smy81] C. J. Smyth. On the measure of totally real algebraic integers. II. *Mathematics of Computation*, 37(155):205–208, July 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Smyth:1984:MVT

[Smy84] C. J. Smyth. The mean values of totally real algebraic integers. *Mathematics of Computation*, 42(166):663–681, April 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Streit:1983:NSI

[SN83] Roy L. Streit and Albert H. Nuttall. A note on the semi-infinite programming approach to complex approximation. *Mathematics of Computation*, 40 (162):599–605, April 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Socolovsky:1986:DSD

[Soc86] E. A. Socolovsky. Difference schemes for degenerate parabolic equations. *Mathematics of Computation*, 47(176):411–420, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Solt:1986:TET

[Sol86] G. Solt. Table erratum: *Table of integrals, series and products* [Academic Press, New York, 1980 and MR 81g:33001] by I. S. Gradshteĭn and I. M. Ryzhik. *Mathematics of Computation*, 47(176):768, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Speevak:1986:EAO

[Spe86] Ted Speevak. An efficient algorithm for obtaining the volume of a special kind of pyramid and application to convex polyhedra. *Mathematics of Computation*, 46(174):531–536, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Spekreijse:1987:MSM

[Spe87] Stefan P. Spekreijse. Multigrid solution of monotone second-order discretizations of hyperbolic conservation laws. *Mathematics of Computation*, 49(179):135–155, July 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Spijker:1985:SRS

[Spi85] M. N. Spijker. Stepsize restrictions for stability of one-step methods in the numerical solution of initial value problems. *Mathematics of Computation*, 45 (172):377–392, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Spoletini:1984:GPF

[Spo84] Enrico Spoletini. Generation of permutations following Lehmer and Howell. *Mathematics of Computation*, 43(168): 565–572, October 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Sanz-Serna:1984:MNS

[SS84] J. M. Sanz-Serna. Methods for the numerical solution of the nonlinear Schrödinger equation. *Mathematics of Computation*, 43(167):21–27, July 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Saad:1985:CGL

[SS85] Youcef Saad and Martin H. Schultz. Conjugate gradient-like algorithms for solving nonsymmetric linear systems. *Mathematics of Computation*, 44(170): 417–424, April 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Sloan:1986:IEH

[SS86a] I. H. Sloan and A. Spence. Integral equations on the half-line: a modified finite-section approximation. *Mathematics of Computation*, 47(176):589–595, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Stinson:1986:STS

[SS86b] D. R. Stinson and E. Seah. 284 457 Steiner triple systems of order 19 contain a subsystem of order 9. *Mathematics of Computation*, 46(174):717–729, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Seah:1988:EOF

[SS88] E. Seah and D. R. Stinson. On the enumeration of one-factorizations of complete graphs containing prescribed automorphism groups. *Mathematics of Computation*, 50(182):607–618, April 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Stephan:1989:CVB

[SS89] E. P. Stephan and M. Suri. On the convergence of the p-version of the boundary element Galerkin method. *Mathematics of Computation*, 52(185):31–48, January 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Smith:1983:PII

[SSO83] William E. Smith, Ian H. Sloan, and Alex H. Opie. Product integration over infinite intervals. I. rules based on the zeros of Hermite polynomials. *Mathematics of Computation*, 40(162):519–535, April 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Sanz-Serna:1985:GET

[SSP85] J. M. Sanz-Serna and C. Palencia. A general equivalence theorem in the theory of discretization methods. *Mathematics of Computation*, 45(171):143–152, July 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Stoer:1987:CSC

[ST87] J. Stoer and R. A. Tapia. On the characterization of q-superlinear convergence of quasi-Newton methods for constrained optimization. *Mathematics of Computation*, 49(180):581–584, October 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Starius:1981:AEC

[Sta81] Göran Starius. Asymptotic expansions for a class of elliptic difference schemes. *Mathematics of Computation*, 37(156):321–326, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Steihaug:1984:SSL

[Ste84a] Trond Steihaug. On the sparse and symmetric least-change secant update. *Mathematics of Computation*, 42(166):521–533, April 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Stenberg:1984:AMF

[Ste84b] Rolf Stenberg. Analysis of mixed finite element methods for the Stokes problem: a unified approach. *Mathematics of Computation*, 42(165):9–23, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Stewart:1984:ABS

[Ste84c] G. W. Stewart. On the asymptotic behavior of scaled singular value and QR decompositions. *Mathematics of Computation*, 43(168):483–489, October 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Steiner:1986:MEP

[Ste86a] Ray P. Steiner. On Mordell's equation $y^2 - k = x^3$: a problem of Stolarsky. *Mathematics of Computation*, 46(174):703–714, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Stenger:1986:ENO

[Ste86b] Frank Stenger. Explicit, nearly optimal, linear rational approximation with preassigned poles. *Mathematics of Computation*, 47(175):225–252, July 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Stewart:1988:CCR

[Ste88] G. W. Stewart. A curiosity concerning the representation of integers in noninteger bases. *Mathematics of Computation*, 51(184):755–756, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). URL `http://zbmath.org/?q=an:0699.10020`.

Stokes:1980:SQD

[Sto80] A. N. Stokes. A stable quotient-difference algorithm. *Mathematics of Computation*, 34(150):515–519, April 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Stothers:1981:SFI

[Sto81] W. W. Stothers. Subgroups of finite index in a free product with amalga-

mated subgroup. *Mathematics of Computation*, 36(154):653–662, April 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Stroeker:1989:QTE

[Str89] R. J. Stroeker. On quartic Thue equations with trivial solutions. *Mathematics of Computation*, 52(185):175–187, January 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Stuart:1981:TEC

[Stu81a] S. N. Stuart. Table errata: *A course of modern analysis* [fourth edition, Cambridge Univ. Press, Cambridge 1927 and 180] by E. T. Whittaker Jbuch **53** and G. N. Watson. *Mathematics of Computation*, 36(153):319, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Stummel:1981:PTE

[Stu81b] F. Stummel. Perturbation theory for evaluation algorithms of arithmetic expressions. *Mathematics of Computation*, 37(156):435–473, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Stynes:1980:FCB

[Sty80] Martin Stynes. On faster convergence of the bisection method for all triangles. *Mathematics of Computation*, 35(152): 1195–1201, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Shanks:1981:GFF

[SW81] Daniel Shanks and H. C. Williams. Gunderson's function in Fermat's Last Theorem. *Mathematics of Computation*, 36 (153):291–295, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Schatz:1982:QOP

[SW82a] A. H. Schatz and L. B. Wahlbin. On the quasi-optimality in L_∞ of the $\overset{\circ}{H}{}^1$-projection into finite element spaces. *Mathematics of Computation*, 38(157): 1–22, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Shivakumar:1982:AEL

[SW82b] P. N. Shivakumar and R. Wong. Asymptotic expansion of the Lebesgue constants associated with polynomial interpolation. *Mathematics of Computation*, 39(159):195–200, July 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Schatz:1983:FEM

[SW83] A. H. Schatz and L. B. Wahlbin. On the finite element method for singularly perturbed reaction-diffusion problems in two and one dimensions. *Mathematics of Computation*, 40(161):47–89, January 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Saranen:1985:ACC

[SW85] J. Saranen and W. L. Wendland. On the asymptotic convergence of collocation methods with spline functions of even degree. *Mathematics of Computation*, 45(171):91–108, July 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Schneider:1986:SNA

[SW86a] Claus Schneider and Wilhelm Werner. Some new aspects of rational interpolation. *Mathematics of Computation*, 47(175):285–299, July 1986. CODEN

MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Segal:1986:WDS

[SW86b] Robert Segal and Robert L. Ward. Weight distributions of some irreducible cyclic codes. *Mathematics of Computation*, 46(173):341–354, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Schoof:1988:QPR

[SW88a] René Schoof and Lawrence C. Washington. Quintic polynomials and real cyclotomic fields with large class number. *Mathematics of Computation*, 50(182): 543–556, April 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Stephens:1988:CRQ

[SW88b] A. J. Stephens and H. C. Williams. Computation of real quadratic fields with class number one. *Mathematics of Computation*, 51(184):809–824, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Stephens:1988:SCR

[SW88c] A. J. Stephens and H. C. Williams. Some computational results on a problem concerning powerful numbers. *Mathematics of Computation*, 50(182):619–632, April 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Swartz:1980:CID

[Swa80] Blair Swartz. Compact, implicit difference schemes for a differential equation's side conditions. *Mathematics of Computation*, 35(151):733–746, July 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Swarztrauber:1986:SF

[Swa86] Paul N. Swarztrauber. Symmetric FFTs. *Mathematics of Computation*, 47(175): 323–346, July 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Swartz:1989:SOS

[Swa89a] Blair Swartz. The second-order sharpening of blurred smooth borders. *Mathematics of Computation*, 52(186):675–714, S35–S36, April 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Swartz:1989:SSO

[Swa89b] Blair Swartz. Supplement to the second-order sharpening of blurred smooth borders. *Mathematics of Computation*, 52 (186):S35–S36, April 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Seah:1983:CLC

[SWW83] Eric Seah, Lawrence C. Washington, and Hugh C. Williams. The calculation of a large cubic class number with an application to real cyclotomic fields. *Mathematics of Computation*, 41(163):303–305, July 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Szepessy:1989:CSC

[Sze89] Anders Szepessy. Convergence of a shock-capturing streamline diffusion finite element method for a scalar conservation law in two space dimensions. *Mathematics of Computation*, 53(188): 527–545, October 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Tadmor:1983:UII

[Tad83] Eitan Tadmor. The unconditional instability of inflow-dependent boundary conditions in difference approximations to hyperbolic systems. *Mathematics of Computation*, 41(164):309–319, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Tadmor:1984:LTB

[Tad84a] Eitan Tadmor. The large-time behavior of the scalar, genuinely nonlinear Lax–Friedrichs scheme. *Mathematics of Computation*, 43(168):353–368, October 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Tadmor:1984:NVE

[Tad84b] Eitan Tadmor. Numerical viscosity and the entropy condition for conservative difference schemes. *Mathematics of Computation*, 43(168):369–381, October 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Tadmor:1987:NVE

[Tad87] Eitan Tadmor. The numerical viscosity of entropy stable schemes for systems of conservation laws. I. *Mathematics of Computation*, 49(179):91–103, July 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Tang:1988:FAL

[Tan88] Ping Tak Peter Tang. A fast algorithm for linear complex Chebyshev approximations. *Mathematics of Computation*, 51(184):721–739, October 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Tapia:1988:SUU

[Tap88] Richard Tapia. On secant updates for use in general constrained optimization. *Mathematics of Computation*, 51(183): 181–202, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

teRiele:1981:HNT

[te 81] Herman J. J. te Riele. Hyperperfect numbers with three different prime factors. *Mathematics of Computation*, 36 (153):297–298, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

teRiele:1984:GNA

[te 84] Herman J. J. te Riele. On generating new amicable pairs from given amicable pairs. *Mathematics of Computation*, 42(165):219–223, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

teRiele:1986:CAA

[te 86a] H. J. J. te Riele. Computation of all the amicable pairs below 10^{10}. *Mathematics of Computation*, 47(175):361–368, S9–S40, July 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

teRiele:1986:SCA

[te 86b] H. J. J. te Riele. Supplement to computation of all the amicable pairs below 10^10. *Mathematics of Computation*, 47(175):S9–S40, July 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

teRiele:1986:CZRa

[te 86c] Herman J. J. te Riele. Corrigenda: "On the zeros of the Riemann zeta function in the critical strip. II" [Math. Comp. **39** (1982), no. 160, 681–688, MR 83m:10067] by R. P. Brent, J. van de Lune, te Riele and D. T. Winter. *Mathematics of Computation*, 46(174):

771, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

teRiele:1986:CZRb

[te 86d] Herman J. J. te Riele. Corrigenda: "On the zeros of the Riemann zeta function in the critical strip. III" [Math. Comp. **41** (1983), no. 164, 759–767, MR 85e:11062] by J. van de Lune and te Riele. *Mathematics of Computation*, 46 (174):771, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

teRiele:1987:SD

[te 87] Herman J. J. te Riele. On the sign of the difference $\pi(x) - \mathrm{li}(x)$. *Mathematics of Computation*, 48(177):323–328, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Templer:1980:P

[Tem80] Mark Templer. On the primality of $k!+1$ and $2*3*5*\cdots*p+1$. *Mathematics of Computation*, 34(149):303–304, January 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Temme:1981:TEF

[Tem81] N. M. Temme. Table errata: *Formulas and theorems for the special functions of mathematical physics* [third edition, Springer, New York, 1966 and F. Oberhettinger MR **38** #1291] by W. Magnus and R. P. Soni. *Mathematics of Computation*, 36(153):315–316, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Temme:1986:DIC

[Tem86] N. M. Temme. A double integral containing the modified Bessel function: asymptotics and computation. *Mathematics of Computation*, 47(176):683–691, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Tezuka:1988:OGP

[Tez88] Shu Tezuka. On optimal GFSR pseudorandom number generators. *Mathematics of Computation*, 50(182):531–533, April 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Trefethen:1986:WPO

[TH86] Lloyd N. Trefethen and Laurence Halpern. Well-posedness of one-way wave equations and absorbing boundary conditions. *Mathematics of Computation*, 47(176):421–435, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Thacher:1981:CAH

[Tha81] Henry C. Thacher. Book review: *Computational Analysis with the HP-25 Pocket Calculator*, by Peter Henrici. *Mathematics of Computation*, 37(156): 595–596, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). URL `https://www.jstor.org/stable/2007449`.

Thomee:1980:NNE

[Tho80] Vidar Thomée. Negative norm estimates and superconvergence in Galerkin methods for parabolic problems. *Mathematics of Computation*, 34(149):93–113, January 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Thomas:1981:GMS

[Tho81] K. S. Thomas. Galerkin methods for singular integral equations. *Mathematics of Computation*, 36(153):193–205, January

1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Ting:1981:CIO

[TL81] Bing Yuan Ting and Yudell L. Luke. Computation of integrals with oscillatory and singular integrands. *Mathematics of Computation*, 37(155):169–183, July 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Traub:1985:OIF

[TL85] J. F. Traub and D. Lee. Optimal integration for functions of bounded variation. *Mathematics of Computation*, 45(172): 505–512, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Toint:1981:SQN

[Toi81] Ph. L. Toint. A sparse quasi-Newton update derived variationally with a nondiagonally weighted Frobenius norm. *Mathematics of Computation*, 37(156): 425–433, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Toint:1986:NSL

[Toi86] Ph. L. Toint. Numerical solution of large sets of algebraic nonlinear equations. *Mathematics of Computation*, 46(173): 175–189, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Trefethen:1985:SFD

[Tre85] Lloyd N. Trefethen. Stability of finite-difference models containing two boundaries or interfaces. *Mathematics of Computation*, 45(172):279–300, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Troesch:1980:SMA

[Tro80] B. A. Troesch. The shooting method applied to a cyclic inequality. *Mathematics of Computation*, 34(149):175–184, January 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Troesch:1985:SCI

[Tro85] B. A. Troesch. On Shapiro's cyclic inequality for $N = 13$. *Mathematics of Computation*, 45(171):199–207, July 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Troesch:1989:VSC

[Tro89] B. A. Troesch. The validity of Shapiro's cyclic inequality. *Mathematics of Computation*, 53(188):657–664, October 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Tsuchiya:1986:TMA

[Tsu86] Takuya Tsuchiya. On two methods for approximating minimal surfaces in parametric form. *Mathematics of Computation*, 46(174):517–529, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Tsuchiya:1987:DSP

[Tsu87] Takuya Tsuchiya. Discrete solution of the Plateau problem and its convergence. *Mathematics of Computation*, 49(179):157–165, July 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Tretter:1980:FCC

[TW80] Marietta J. Tretter and G. W. Walster. Further comments on the computation of modified Bessel function ratios. *Mathematics of Computation*, 35(151):937–

939, July 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Thron:1983:TEB

[TW83] W. J. Thron and Haakon Waadeland. Truncation error bounds for limit periodic continued fractions. *Mathematics of Computation*, 40(162):589–597, April 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Tennenhouse:1986:NCN

[TW86] M. Tennenhouse and H. C. Williams. A note on class-number one in certain real quadratic and pure cubic fields. *Mathematics of Computation*, 46(173):333–336, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Tanner:1987:NCB

[TW87] Jonathan W. Tanner and Samuel S. Wagstaff, Jr. New congruences for the Bernoulli numbers. *Mathematics of Computation*, 48(177):341–350, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Tanner:1989:NBF

[TW89] Jonathan W. Tanner and Samuel S. Wagstaff, Jr. New bound for the first case of Fermat's last theorem. *Mathematics of Computation*, 53(188):743–750, October 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Tschope:1987:CNT

[TZ87] Heinz M. Tschöpe and Horst G. Zimmer. Computation of the Néron–Tate height on elliptic curves. *Mathematics of Computation*, 48(177):351–370, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Thomee:1989:EES

[TZ89] Vidar Thomée and Nai Ying Zhang. Error estimates for semidiscrete finite element methods for parabolic integro-differential equations. *Mathematics of Computation*, 53(187):121–139, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Tzanakis:1986:RTW

[Tza86] Nicholas Tzanakis. A remark on a theorem of W. E. H. Berwick. *Mathematics of Computation*, 46(174):623–625, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Underhill:1986:SAP

[Und86] C. Underhill. Some asymptotic properties of Padé approximants to e^{-x}. *Mathematics of Computation*, 47(175):253–263, July 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

vanderLinden:1982:CNC

[van82a] F. J. van der Linden. Class number computations of real Abelian number fields. *Mathematics of Computation*, 39(160):693–707, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

VanderVorst:1982:GLS

[Van82b] H. A. Van der Vorst. A generalized Lánczos scheme. *Mathematics of Computation*, 39(160):559–561, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

vanVeldhuizen:1988:CRI

[van88] M. van Veldhuizen. Convergence results for invariant curve algorithms. *Mathematics of Computation*, 51(184):677–697, October 1988. CODEN MCMPAF.

ISSN 0025-5718 (print), 1088-6842 (electronic).

Vaughan:1983:DQE

[Vau83] Theresa P. Vaughan. The discriminant of a quadratic extension of an algebraic field. *Mathematics of Computation*, 40 (162):685–707, April 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Vaughan:1984:CDQ

[Vau84] Theresa P. Vaughan. Corrigenda: "The discriminant of a quadratic extension of an algebraic field" [Math. Comp. **40** (1983), no. 162, 685–707, MR 84e:12006]. *Mathematics of Computation*, 43(168):621, October 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Vaughan:1985:CUC

[Vau85a] Theresa P. Vaughan. The construction of unramified cyclic quartic extensions of $Q(\sqrt{m})$. *Mathematics of Computation*, 45(171):233–242, July 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Vaughan:1985:CDA

[Vau85b] Theresa P. Vaughan. On computing the discriminant of an algebraic number field. *Mathematics of Computation*, 45 (172):569–584, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Vogelius:1981:DRMa

[VB81a] M. Vogelius and I. Babuška. On a dimensional reduction method. I. the optimal selection of basis functions. *Mathematics of Computation*, 37(155):31–46, July 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Vogelius:1981:DRMb

[VB81b] M. Vogelius and I. Babuška. On a dimensional reduction method. II. some approximation-theoretic results. *Mathematics of Computation*, 37(155):47–68, July 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Vogelius:1981:DRMc

[VB81c] M. Vogelius and I. Babuška. On a dimensional reduction method. III. A posteriori error estimation and an adaptive approach. *Mathematics of Computation*, 37(156):361–384, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Venturino:1986:SSI

[Ven86] Ezio Venturino. On solving singular integral equations via a hyperbolic tangent quadrature rule. *Mathematics of Computation*, 47(175):159–167, July 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Veron:1982:SRC

[Vér82] Laurent Véron. Some remarks on the convergence of approximate solutions of nonlinear evolution equations in Hilbert spaces. *Mathematics of Computation*, 39 (160):325–337, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Vila:1988:HOS

[Vil88] J. P. Vila. High-order schemes and entropy condition for nonlinear hyperbolic systems of conservation laws. *Mathematics of Computation*, 50(181):53–73, January 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

vanHaeringen:1982:TET

[vK82] H. van Haeringen and L. P. Kok. Table errata: *Table of integrals, series, and products* [corrected and 1980 enlarged edition, Academic Press, New York and MR 81g:33001] by I. S. Gradshteyn [I. S. Gradshteĭn] and I. M. Ryzhik. *Mathematics of Computation*, 39(160):747–757, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

vanHaeringen:1983:TEF

[vK83a] H. van Haeringen and L. P. Kok. Table errata: *Formulas and theorems for the special functions of mathematical physics* [Springer, New York, 1966 and F. Oberhettinger MR **38** #1291] by W. Magnus and R. P. Soni. *Mathematics of Computation*, 41(164):775–778, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

vanHaeringen:1983:TEHd

[vK83b] H. van Haeringen and L. P. Kok. Table errata: *Handbook of mathematical functions, with formulas, graphs, and mathematical tables* [Dover, New York, 1966 and MR **34** #8606]. *Mathematics of Computation*, 41(164):780, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

vanHaeringen:1983:TEHa

[vK83c] H. van Haeringen and L. P. Kok. Table errata: *Higher transcendental functions, Vol. I* [McGraw-Hill, New York, 1955, F. Oberhettinger, MR **16**, 586] by A. Erdélyi, W. Magnus and F. G. Tricomi. *Mathematics of Computation*, 41(164): 778–779, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

vanHaeringen:1983:TEHb

[vK83d] H. van Haeringen and L. P. Kok. Table errata: *Higher transcendental functions, Vol. II* [McGraw-Hill, New York, 1955, F. Oberhettinger, MR **16**, 586] by A. Erdélyi, W. Magnus and F. G. Tricomi. *Mathematics of Computation*, 41(164): 778, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

vanHaeringen:1983:TEHc

[vK83e] H. van Haeringen and L. P. Kok. Table errata: *Higher transcendental functions, Vol. III* [McGraw-Hill, New York, 1955, F. Oberhettinger, MR **16**, 586] by A. Erdélyi, W. Magnus and F. G. Tricomi. *Mathematics of Computation*, 41(164): 778, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

vanHaeringen:1983:TETa

[vK83f] H. van Haeringen and L. P. Kok. Table errata: *Tables of integral transforms, Vol. I* [McGraw-Hill, New York 1954, F. Oberhettinger MR **15**, 868] by A. Erdélyi, W. Magnus and F. G. Tricomi. *Mathematics of Computation*, 41(164): 778–779, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

vanHaeringen:1983:TETb

[vK83g] H. van Haeringen and L. P. Kok. Table errata: *Tables of integral transforms, Vol. II* [McGraw-Hill, New York, 1954, F. Oberhettinger MR **16**, 468] by A. Erdélyi, W. Magnus and F. G. Tricomi. *Mathematics of Computation*, 41(164): 779–780, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

vonzurGathen:1985:FMP

[vK85] J. von zur Gathen and E. Kaltofen. Factorization of multivariate polynomials over finite fields. *Mathematics of Computation*, 45(171):251–261, July 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Haeringen:1986:TET

[vK86] H. van Haeringen and L. P. Kok. Table erratum: *A table of series and products* [Prentice-Hall, Englewood Cliffs, N.J., 1975] by E. R. Hansen. *Mathematics of Computation*, 47(176):767, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Vigneron:1980:GQI

[VL80] J. P. Vigneron and Ph. Lambin. Gaussian quadrature of integrands involving the error function. *Mathematics of Computation*, 35(152):1299–1307, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

vonzurGathen:1984:HNM

[von84] Joachim von zur Gathen. Hensel and Newton methods in valuation rings. *Mathematics of Computation*, 42(166): 637–661, April 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Vrscay:1986:JSM

[Vrs86] Edward R. Vrscay. Julia sets and Mandelbrot-like sets associated with higher order Schröder rational iteration functions: a computer assisted study. *Mathematics of Computation*, 46(173): 151–169, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

vandeLune:1983:ZRZ

[vt83] J. van de Lune and H. J. J. te Riele. On the zeros of the Riemann zeta function in the critical strip. III. *Mathematics of Computation*, 41(164):759–767, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

vanderHouwen:1985:LMM

[vt85a] P. J. van der Houwen and H. J. J. te Riele. Linear multistep methods for Volterra integral and integro-differential equations. *Mathematics of Computation*, 45(172):439–461, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

vanderHouwen:1985:SLM

[vt85b] P. J. van der Houwen and H. J. J. te Riele. Supplement to: "Linear multistep methods for Volterra integral and integro-differential equations". *Mathematics of Computation*, 45(172):S21–S28, October 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

vandeLune:1986:ZRZ

[vtW86] J. van de Lune, H. J. J. te Riele, and D. T. Winter. On the zeros of the Riemann zeta function in the critical strip. IV. *Mathematics of Computation*, 46(174):667–681, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

JW:1980:C

[W.80] J. W. Corrigendum. *Mathematics of Computation*, 34(149):332, January 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). Original journal has only 'J. W.' as author.

Wagstaff:1980:DCS

[Wag80] Samuel S. Wagstaff, Jr. p-divisibility of certain sets of Bernoulli numbers. *Mathematics of Computation*, 34(150):647–649, April 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Wagstaff:1983:DMN

[Wag83] Samuel S. Wagstaff, Jr. Divisors of Mersenne numbers. *Mathematics of Computation*, 40(161):385–397, January 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Wahlbin:1984:SCL

[Wah84] Lars B. Wahlbin. On the sharpness of certain local estimates for $\overset{\circ}{H}{}^1$ projections into finite element spaces: Influence of a reentrant corner. *Mathematics of Computation*, 42(165):1–8, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Washington:1986:SRC

[Was86] Lawrence C. Washington. Some remarks on Cohen–Lenstra heuristics. *Mathematics of Computation*, 47(176):741–747, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Washington:1987:CNS

[Was87] Lawrence C. Washington. Class numbers of the simplest cubic fields. *Mathematics of Computation*, 48(177):371–384, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Wills:1982:RCA

[WBR82] C. A. Wills, J. M. Blair, and P. L. Ragde. Rational Chebyshev approximations for the Bessel functions $J_0(x)$, $J_1(x)$, $Y_0(x)$, $Y_1(x)$. *Mathematics of Computation*, 39(160):617–623, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Williams:1980:CRP

[WCS80] H. C. Williams, G. Cormack, and E. Seah. Calculation of the regulator of a pure cubic field. *Mathematics of Computation*, 34(150):567–611, April 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Williams:1984:ANI

[WD84] H. C. Williams and G. W. Dueck. An analogue of the nearest integer continued fraction for certain cubic irrationalities. *Mathematics of Computation*, 42(166):683–705, April 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Williams:1986:P

[WD86] H. C. Williams and Harvey Dubner. The primality of $R1031$. *Mathematics of Computation*, 47(176):703–711, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Williams:1983:RME

[WDS83] H. C. Williams, G. W. Dueck, and B. K. Schmid. A rapid method of evaluating the regulator and class number of a pure cubic field. *Mathematics of Computation*, 41(163):235–286, July 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Weintraub:1981:LPG

[Wei81] Sol Weintraub. A large prime gap. *Mathematics of Computation*, 36(153):279, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Weinmuller:1984:DMS

[Wei84a] Ewa Weinmüller. A difference method for a singular boundary value problem of second order. *Mathematics of Computation*, 42(166):441–464, April 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Weiss:1984:ABT

[Wei84b] Richard Weiss. An analysis of the box and trapezoidal schemes for linear singularly perturbed boundary value problems. *Mathematics of Computation*, 42 (165):41–67, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Weinmuller:1986:NSS

[Wei86] Ewa Weinmüller. On the numerical solution of singular boundary value problems of second order by a difference method. *Mathematics of Computation*, 46(173): 93–117, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Werschulz:1980:CCO

[Wer80] Arthur G. Werschulz. Computational complexity of one-step methods for systems of differential equations. *Mathematics of Computation*, 34(149):155–174, January 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Werschulz:1982:OEP

[Wer82] Arthur G. Werschulz. Optimal error properties of finite element methods for second order elliptic Dirichlet problems. *Mathematics of Computation*, 38(158): 401–413, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Werner:1984:PIL

[Wer84a] Wilhelm Werner. Polynomial interpolation: Lagrange versus Newton. *Mathematics of Computation*, 43(167):205–217, July 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Werschulz:1984:DIR

[Wer84b] Arthur G. Werschulz. Does increased regularity lower complexity? *Mathematics of Computation*, 42(165):69–93, January 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Werschulz:1986:CIE

[Wer86a] Arthur G. Werschulz. Complexity of indefinite elliptic problems. *Mathematics of Computation*, 46(174):457–477, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Werschulz:1986:WCR

[Wer86b] Arthur G. Werschulz. What is the complexity of related elliptic, parabolic, and hyperbolic problems? *Mathematics of Computation*, 47(176):461–472, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Wrigge:1982:GMA

[WF82] Staffan Wrigge and Arne Fransén. A general method of approximation. part I. *Mathematics of Computation*, 38(158): 567–588, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Wilkins:1983:MQS

[WH83] J. Ernest Wilkins, Jr. and Theodore R. Hatcher. The maximum of a quasi-smooth function. *Mathematics of Computation*, 41(164):573–589, October

1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

White:1983:MFD

[Whi83] R. E. White. A modified finite difference scheme for the Stefan problem. *Mathematics of Computation*, 41(164):337–347, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Wilker:1980:EAS

[Wil80a] Peter Wilker. An efficient algorithmic solution of the Diophantine equation $u^2+5v^2 = m$. *Mathematics of Computation*, 35(152):1347–1352, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Willett:1980:AFF

[Wil80b] Michael Willett. Arithmetic in a finite field. *Mathematics of Computation*, 35(152):1353–1359, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Williams:1980:ISC

[Wil80c] H. C. Williams. Improving the speed of calculating the regulator of certain pure cubic fields. *Mathematics of Computation*, 35(152):1423–1434, October 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Williams:1981:NIL

[Wil81a] H. C. Williams. A numerical investigation into the length of the period of the continued fraction expansion of $\sqrt{D}$. *Mathematics of Computation*, 36(154):593–601, April 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Williams:1981:SRC

[Wil81b] H. C. Williams. Some results concerning Voronoĭ's continued fraction over $\mathcal{Q}(\sqrt[3]{D})$. *Mathematics of Computation*, 36(154):631–652, April 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Williams:1982:MF

[Wil82a] H. C. Williams. A $p + 1$ method of factoring. *Mathematics of Computation*, 39(159):225–234, July 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Williams:1982:DPF

[Wil82b] H. C. Williams. Determination of principal factors in $\mathcal{Q}(\sqrt{D})$ and $\mathcal{Q}(\sqrt[3]{D})$. *Mathematics of Computation*, 38(157):261–274, January 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Williams:1987:EPT

[Wil87] H. C. Williams. Effective primality tests for some integers of the forms $A5^n - 1$ and $A7^n - 1$. *Mathematics of Computation*, 48(177):385–403, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Williams:1988:CCC

[Wil88] H. C. Williams. Corrigenda: "Computation of the class number and class group of a complex cubic field" [Math. Comp. **45** (1985), no. 171, 223–231, MR 86m:11078] by G. W. Dueck and Williams. *Mathematics of Computation*, 50(182):655–657, April 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Winther:1980:CFE

[Win80a] Ragnar Winther. A conservative finite element method for the Korteweg–de Vries equation. *Mathematics of Computation*, 34(149):23–43, January 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Winther:1980:IVM

[Win80b] Ragnar Winther. Initial value methods for parabolic control problems. *Mathematics of Computation*, 34(149):115–125, January 1980. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Winther:1981:SFE

[Win81] Ragnar Winther. A stable finite element method for initial-boundary value problems for first-order hyperbolic systems. *Mathematics of Computation*, 36(153): 65–86, January 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Wong:1981:MAE

[WM81] R. Wong and J. P. McClure. On a method of asymptotic evaluation of multiple integrals. *Mathematics of Computation*, 37(156):509–521, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Wolkenfelt:1983:MMM

[Wol83] P. H. M. Wolkenfelt. Modified multilag methods for Volterra functional equations. *Mathematics of Computation*, 40 (161):301–316, January 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Wong:1988:AE

[Won88] R. Wong. Asymptotic expansion of $\int_0^{\pi/2} J_\nu^2(\lambda \cos\theta) d\theta$. *Mathematics of Computation*, 50(181):229–234, January 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Wrigge:1981:CTS

[Wri81a] Staffan Wrigge. Calculation of the Taylor series expansion coefficients of the Jacobian elliptic function $\mathrm{sn}(x, k)$. *Mathematics of Computation*, 36(154):555–564, April 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Wrigge:1981:NTS

[Wri81b] Staffan Wrigge. A note on the Taylor series expansion coefficients of the Jacobian elliptic function $\mathrm{sn}(x, k)$. *Mathematics of Computation*, 37(156):495–497, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Wrigge:1984:NMG

[Wri84] Staffan Wrigge. A note on the moment generating function for the reciprocal gamma distribution. *Mathematics of Computation*, 42(166):617–621, April 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Wright:1985:FAS

[Wri85] Alden H. Wright. Finding all solutions to a system of polynomial equations. *Mathematics of Computation*, 44(169):125–133, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Wroblewski:1984:NSI

[Wró84] J. Wróblewski. A nonaveraging set of integers with a large sum of reciprocals. *Mathematics of Computation*, 43(167): 261–262, July 1984. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Warsi:1982:NMG

[WT82] Z. U. A. Warsi and J. F. Thompson. A noniterative method for the generation of orthogonal coordinates in doubly-connected regions. *Mathematics of Computation*, 38(158):501–516, April 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Wunderlich:1983:PAS

[Wun83] M. C. Wunderlich. A performance analysis of a simple prime-testing algorithm. *Mathematics of Computation*, 40(162): 709–714, April 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Wunderlich:1985:ICF

[Wun85] Marvin C. Wunderlich. Implementing the continued fraction factoring algorithm on parallel machines. *Mathematics of Computation*, 44(169):251–260, January 1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Williams:1987:PGR

[WW87] H. C. Williams and M. C. Wunderlich. On the parallel generation of the residues for the continued fraction factoring algorithm. *Mathematics of Computation*, 48(177):405–423, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Winker:1981:SAI

[WWL81] S. K. Winker, L. Wos, and E. L. Lusk. Semigroups, antiautomorphisms, and involutions: a computer solution to an open problem. I. *Mathematics of Computation*, 37(156):533–545, October 1981. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Weiser:1988:NPL

[WZ88] Alan Weiser and Sergio E. Zarantonello. A note on piecewise linear and multilinear table interpolation in many dimensions. *Mathematics of Computation*, 50 (181):189–196, January 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Xu:1989:WFC

[Xu89] Yuan Xu. Weight functions for Chebyshev quadrature. *Mathematics of Computation*, 53(187):297–302, July 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Yamaki:1986:CFS

[Yam86a] Hiroyoshi Yamaki. A conjecture of Frobenius and the sporadic simple groups. II. *Mathematics of Computation*, 46(174):609–611, S43–S46, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Yamaki:1986:SCF

[Yam86b] Hiroyoshi Yamaki. Supplement to A conjecture of Frobenius and the sporadic simple groups. II. *Mathematics of Computation*, 46(174):S43–S46, April 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Yan:1987:PCC

[Yan87] Zheng Yan. Piecewise cubic curve fitting algorithm. *Mathematics of Computation*, 49(179):203–213, July 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Young:1988:TFN

[YB88] Jeff Young and Duncan A. Buell. The twentieth Fermat number is composite. *Mathematics of Computation*, 50(181):

261–263, January 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Young:1989:FOP

[YP89] Jeff Young and Aaron Potler. First occurrence prime gaps. *Mathematics of Computation*, 52(185):221–224, January 1989. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Ypma:1983:LCD

[Ypm83] T. J. Ypma. Local convergence of difference Newton-like methods. *Mathematics of Computation*, 41(164):527–536, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Yserentant:1986:CML

[Yse86] Harry Yserentant. The convergence of multi-level methods for solving finite-element equations in the presence of singularities. *Mathematics of Computation*, 47(176):399–409, October 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Zagier:1982:NMN

[Zag82] Don Zagier. On the number of Markoff numbers below a given bound. *Mathematics of Computation*, 39(160):709–723, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Zagier:1987:LIP

[Zag87] Don Zagier. Large integral points on elliptic curves. *Mathematics of Computation*, 48(177):425–436, January 1987. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Zagier:1988:ALI

[Zag88] Don Zagier. Addendum to: "Large integral points on elliptic curves" [Math. Comp. **48** (1987), no. 177, 425–436, MR 87k:11062]. *Mathematics of Computation*, 51(183):375, July 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Zajta:1983:SDE

[Zaj83] Aurel J. Zajta. Solutions of the Diophantine equation $A^4 + B^4 = C^4 + D^4$. *Mathematics of Computation*, 41(164):635–659, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Zennaro:1986:NCE

[Zen86] M. Zennaro. Natural continuous extensions of Runge–Kutta methods. *Mathematics of Computation*, 46(173):119–133, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Ziv:1982:RDE

[Ziv82] Abraham Ziv. Relative distance—an error measure in round-off error analysis. *Mathematics of Computation*, 39(160):563–569, October 1982. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Zlamal:1983:LSN

[Zlá83] Miloš Zlámal. A linear scheme for the numerical solution of nonlinear quasistationary magnetic fields. *Mathematics of Computation*, 41(164):425–440, October 1983. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Zlamal:1986:FES

[Zlá86] Miloš Zlámal. Finite element solution of the fundamental equations of semicon-

ductor devices. I. *Mathematics of Computation*, 46(173):27–43, January 1986. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Zulehner:1988:SHM

[Zul88] Walter Zulehner. A simple homotopy method for determining all isolated solutions to polynomial systems. *Mathematics of Computation*, 50(181):167–177, January 1988. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).