A Bibliography of ISSAC (International Symposia on Symbolic and Algebraic Computation) Conference Papers

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: http://www.math.utah.edu/~beebe/

30 October 2017
Version 2.23

Title word cross-reference

$(1, 2)$ [EGL04]. (F_5) [Fau02]. $(n - 1)$ [BdC09]. (q) [BSC$^+$12]. (T) [LMPX08]. -3 [KR08]. $0*$ [BFS93]. 1 [BC92, JKR05, KR08]. 2 [FvH11, Hie92, Ser12]. 2nd [Sch95b, Sch95a]. 3 [Bur11b, CM96a]. 32 [Wol13]. 3rd [Sch95b, Sch95a]. 4 [Cor01, DEF13, PO08]. 5 [Cor01]. 6 [HS06]. $6R$ [RGL94]. ^{2} [GR97]. $_3$ [Mül98]. A [Beu12, CDHJ07]. A^{Hash} [WBD$^+$94]. $C(x, e^{\int f(x)\,dx})$ [BF99]. D [LM08, Sal05, GS05]. exp [RSSV96, Str08]. $f(x)0(00 - 010)0/02 \bmod h(x)$ [BP94]. $f(x, y)$ [CC89]. $F5$ [PHW13]. $\mathbf{F}_2$ [vG96]. $F_q(t)$ [GZ03b]. G [Roa97]. $GF(q^m)$ [MvV89]. $\in$ [BB07]. l [DDS13]. λ [KMO90, Oka89]. ln [PO08]. log [RSSV96, Str08]. M [Ser12]. $\mathbf{Z}[x]$ [ASZ00]. μ [DCS05]. N [FS12, MS98, Pot96]. $O(n^3)$ [Sto98]. P [Abr06, DS99, KP10, Abb89a, Abb89b, AIRR10, BL12, LRW94, Nus97, Thu96a, Thü96b, Wan92a]. p^2 [BvzGZ12]. P^3

1

accurate [AP05, AT94]. **ACE** [GP97, PG97]. **ACM**
[ACM93, Gon89, Jen76, Wan81]. **ACM-SIGSAM** [Gon89]. **action** [FS12].
actions [BKLG97, CGL91]. **addition** [CK00b]. **Adherence** [BBDP05]. **adic**
[Abb89a, Abb89b, AIRR10, BL12, DDS13, DS99, Dum08, Wan92a].
ADIFOR [BCCG92]. **adjacency** [BBDP05]. **Admissible** [Zob05]. **ADrien**
[VM99]. **Advanced** [Har00]. **Advances** [Fat90]. **Affine**
[JPR05, ALM09, AC04, Far06, Por89, RD05]. **aggregate** [EMT10]. **aided**
[KK91]. **Albert** [Jac94]. **ALDES** [Kre89]. **ALDES/SAC** [Kre89].
ALDES/SAC-2 [Kre89]. **Algebra** [Coo95a, DGS94, Fat81, Gut93, Mor89a,
Sch94, SS93, Zim93, ACS86, AGLM99, Alb12, Bar03, BS86, BK86,
BLWhW91, BR06, BHP07, BCLA82, CD11, Ces97, Cha95, Cha03, CGG⁺86,
CS05, Coo86, Coo95b, Dat03, DGT91, Dev89, Dew92, DF94, DGP02, DGP04,
DKLM98, Fat91, Fau09, GSV91, GKWW91, Ger10, Gol86, Gon86a, HMS01,
IA98, Jac94, Jur01, Kaj92, KNS11, Kha01, Kol90, Kre89, LHJ92, Lau03,
LS12, LÜ10, Leo86, LS03, Li04, MC92, Mar91, MT12, MBC92, NF97, NT92,
OW05, Pou06, RLZ86, RSSRV89, RER09, Rd91, RLBS91, San93, SS86,
VT98, Vil07b, Vil11, WG91, Wei94b, Wol13, WR06, Yap09, Zim97, Zol91].
algebra-the [Wei94b]. **Algebraic** [ACM94, Ano95b, AF86, ACFG05, Bro93,
Bro07, Cha86b, DD89b, Doo99, GR94, GLV89, Glo98, Gon89, Gut04, Hub10,
Jen76, KSY94, Kau05, Küc97, Lak96, LK90, LKK91, Lev95, MCG13, Mor89a,
Mor02, Mou01, NF96, RCK04, RF94b, SF94, SE11, Sen03, SXZ11, Sud08,
Sul12, SS91, Tho96, Tra06, Tra00, Wan81, Wan92b, WN90, Wat91, Wat10,
vdHvH12, Abb89a, ABD86, Abb89b, AB89, AV12, AMR89, AL08, Arn89,
BPR98, BS86, BJ98, BL12, Bod04, BCM94, BCS⁺07, BDE⁺13, BL98, Bro86,
Bro91, Bro98, BD07a, Bro13, BCLA82, BS07, BCGY08, BD07b, Cha90,
CMXY09, CDM⁺10, CDM⁺11, CKS12, Che90b, DS03, Du94, EKW07, El 13,
Enc94, Enc97b, Fat89b, Fat90, FsG04, FGPT02, GC92, GR97, GKWW91,
GGS89, GKZ90, Gia89, GV91b, Gon91b, GS98, GL11]. **algebraic**
[Hon90, Hon92, HMS01, HD00, Ida09, JM07, JM09, JPR05, Joh92, Kal90,
KS97a, KK06, KYAH08, KYAH09, Kau08, KMH89, KM95, Kut89, Lan91,
Lec00, LÜ10, Lev12, LkGID97, LD11, May09, MP90, MG94, MK99, Ng79,
Par13, PDS05, Pfl08, Rio92, Rio02, RV93, RV96, Roy12, Ryb91, San04, Sas86,
SLA89, Sch98, Sch91b, Sed01b, SS03, Sho99, Sme89, Sme90, Str10, Str12b,
Tao90, Ver04, Vol97, WR06, Yok04, Zha93, kMG97, van94, vHM04].
algebraically [YNT90b]. **algebraists** [AK91b]. **Algebras**
[CT96, EG96, MZ96, BFS93, BHP07, CIK97, GMT89, dG97, GSZ11, Han07,
HS06, HP89, Hub10, Iva00, LS03, LSS13, Mor89b, Nör98b, OS91, RLBW92,
Sch91a, Shi90, SWMZ12, Zol97, dGW99]. **Algorithm**
[Cab93, CdR96, CM96a, FM96, Gru93, HW86, Jeb93, KM96b, MF94, Sie94,
Tsa96, Val93, Web94b, Abr02, AP05, AM90, ARS97, AL08, Arn13, AH08,
AT94, Baj86, Bar89b, Bar95, Bea93, BCLV13, Ber94, BF12, BS00, BDPZ09,
Bra90, Bro86, Bro94, CL89, Cha03, Che90a, CG90a, CK92, CFS90, CGKW02,
CG86, DRJ97, Ebe10, EM99, Enc94, Enc97a, Fau02, FM11, FGPF89,
GGV10, GG12, GM06, GKZ07, GM86, GG89, GLL04, GZ08, GKsL02,

GMN⁺91, GT09, GS98, GL11, vHM02, HD09, HE05, Hub04, JM07, JP99,
Jea00, Kai94, KL94, KM99, KsLL00, Kal02, KSW10, KS11b, KSS07, KM96a,
KC09, KS86, Sca94a, Lan91, Lap06, Lel12, LN97, LkGID97, jL90, LLMM08,
Man94a, Mar95, MW01, MMS07, MW00, Mon04, Mor92, Mor95, MF97].
algorithm [Nab07, Nor90, Oak12, PB99, PW02, PQZ11, PHW13, Pfl97,
PR08, Pot96, QV95, RWW94, RY08, Rou10, Ryb91, SY11, Sag12, SLA89,
Sca94b, Sch91b, SP91b, SP91a, Sch89, Sed01a, Sed01b, SY12, Sho91, Sme89,
Sor95, SZ91, Sto98, SWMZ12, SS06c, Tak90a, Tho01, TD89, Tur06, Vil97,
Win89a, Win89b, YZ86, dKMW05, van95, vH93]. **Algorithmic**
[Kem08, LRB95, RLBW92, SDJ07, BBDP04, GR10, HM01, MN93, AH94].
Algorithms [ABRC97, BHC95, BCB09, BL10, BAE⁺00, CM11, CT96,
GKsL02, uGK91, GL95, HK04, LS12, LuS91, MZ96, Mor89a, MM01, Oak94,
RD05, Web94a, dKMW05, vHM04, AK91a, BCFS91, BK86, BdC09, BCS05,
BCSC06, BS09b, BCdP13, BL98, BCGY08, But92, CT98, CIK97, CKP12,
CR03, CG92, DDS13, Dew92, EK97, Ebe04, EP11, FR95, Fuk08, GPT89,
GM06, Ger10, Gie94, GSGVPN⁺09, GRA00, GR92, HK98, HKL99, Iva00,
JX07, KKS86, KY89, KM95, LM08, MC91, Mon05, Pan01, PS13, PS07, Sal05,
SW04, Sch92, SL93, SR89, Sie93, SKCL12, Sto96, Sud08, SW11, SS91, Tra89,
Uma06, Wav99, Zol97, kMG97, vzGG97]. **alication** [GR97]. **Alkahest**
[FNM86]. **Almost** [ESY06, Mon04]. **along** [AMBSW11]. **ALPAL**
[Coo92, Pai92]. **alternate** [CL06]. **alternative** [Giu09, Ste08, SS02]. **always**
[CDHJ07]. **amidst** [GS98]. **among** [MS97, Ric95, YLN95]. **amplitudes**
[BL91]. **analog** [Tak90a]. **analogue** [Giu09]. **Analyses** [GV93, MV90].
Analysis [Ste96, BCLV13, BFP12, BB07, Bür11a, Cet92, Cha95, Cor94,
EKW07, Far06, FNM86, GSV91, GVv92, Kha01, KK91, KF91, Lan91, Lev12,
MS92, MBC92, Pol98, Ren91, Rd91, SY98, SW89, SXZ11, Sor95, TC89,
TMH94, VF92, Vil97, Vol93a, Vol93b, WX05]. **analytic**
[Cha95, Mez10, RRW99]. **analytical** [CMS89, LCW05]. **Analyzing**
[DS94, GSGVPN⁺09, GMS90]. **and-or** [Bel90]. **And-parallelism** [GP97].
Andrews [Tra00]. **annihilators** [AZ97]. **Announcement** [Ano95a]. **annual**
[Jef08]. **ansatz** [IK12]. **ANTS** [AH94]. **ANTS-I** [AH94]. **Applicability**
[Abr02, DJ94]. **Application** [BLWhW91, BP06, GMS90, GT90, Gut93,
KS06, MW05, Pet91, RLBS91, Tra98, VT98, WR06, kMG97, van96, BP98,
BHP07, CC89, DP95, Dye94, FS12, HLY86, Han07, HD09, KR93, LSS13,
MW94, MSW07, MM97, Tho01, Tou05, TSD91, Wan91]. **Applications**
[HCGW93, Pur86, BBP08, BLPR13a, BS10, BW98, CC90, Fat91, FES10,
HI93, HR10, KMO90, Li98, LH08, Par04, RG91, Sal05, SF90, Sto97, SS91,
TD90, Tsa10, tW05, WR13, Zim97, vdH04]. **applied**
[Dal92, Har94, VF92, Mor89a]. **Applying** [Wis89, Wol95]. **appraisement**
[BCK99]. **Approach** [BGK96, DGS94, SB94, ACS86, BP07, BBDP04,
BFP12, BC89a, CKS09, GVv92, Lau03, LY86, LS90, MGv91, MBC92, NS06,
RRM09, Ren91, Rus92, Sha89b, Sha89c, SS02]. **Approaches**
[DGS98, OW05]. **approximability** [HMS01]. **approximants**
[BL09, Cha86a]. **Approximate** [CGJ99, GKM⁺04, JFRS06, KYZ06, KL96b,

LSYL11, Sas01, CCC98, CGvH$^+$01, JK97, KM03, KY07, KLYZ08, LYZ10,
MSW13, Nag02, Ter09, ZD04, Zen09]. **Approximately** [BS13, Nag11].
Approximation [Tou05, CC89, GS90, KS11c, Laz06]. **approximations**
[Abb89a, Abb89b, GR10, GT09, KRL86, MH01]. **April** [CM96b]. **APS**
[GD93, LK90]. **arbitrary** [AK12, FGT01, Kau04, Oka89, ZR99].
arbitrary-order [AK12]. **Architecture** [JKR05, RC06, WGK$^+$01].
Architecture-aware [JKR05]. **Architectures** [INPS93, Bis12]. **arise**
[GKZ90]. **arising** [BHP07, KR93]. **Arithmetic**
[CJSW94, MP90, vG96, BP06, Fat92, FLMS06, HD00, Joh92, JK97, LMS07,
Pan00, Rum10, SY98, Wei97]. **arithmetics** [FS09]. **Artin** [FS09, GKZ12].
Asian [BP06]. **Asir** [NT92, NM97]. **Aspect** [RV93]. **aspects**
[Beu12, MvV89, Mil11]. **assignment** [Wu93]. **assistant** [AK91b]. **assisted**
[EK95, FM01]. **association** [Miy00]. **Associative**
[EG96, CdG07, GSZ11, OS91]. **asteroid** [VT98]. **Asymptotic**
[Gru93, RSSV96, SS92, Sha89a, Str12a, CEMP05, Sha99, SXZ11].
Asymptotically [Ger10, Kal94, Rei97, SL96]. **Atkin** [GM06, MMS07].
Atlanta [Ait95]. **atlases** [Man08]. **attractors** [Far06]. **August**
[Bro07, Glo98, Jen76, LGG97, Sen03, Tra00, Wan81, WN90]. **Austria**
[BW98, Hon94, Jef08]. **Automata** [MT94]. **Automated**
[AGLM99, Cho90, CGZ93, Doy99, KS86]. **Automatic**
[Bac96, BGH94, Cha89, CR94, Päs09, RCK04, SB94, ABRC97, Cha03, Fat03,
FNM86, GMR94, LD11, MGv91, SW89, VM99, BCCG92]. **automatically**
[MS03b]. **automatics** [Oll89]. **Automating** [Pet94]. **automation** [LD90].
automorphism [Sha03, Sim97]. **average** [Enc97a]. **aware** [JKR05].
AXIOM [JT94, Doy99, Gil92, Rio92, SDJ07].

Babel [SRHW94]. **baby** [Kal02, RC06]. **Bäcklund** [GKZ91]. **Bags** [GK94].
balanced [LH08]. **Barnes** [Ada01]. **barrier** [Bro92]. **Base**
[ARS99, BCFS91, CFS90, CF92, HLY86, Mar95, Mor95, SS94, WCD08].
Based [ABP94, Bac96, IEE95, LHD94, BL90, BB07, BJ10, CS05, CK02,
CR03, DP07, Ebe04, EP11, GKZ07, GSGVPN$^+$09, Hon92, KSI97, McC99,
McC01, MB09, Nor90, RC06, RMC07, SRHW94, Sas01, SWMZ12, VT98,
WEM98, Win89a, BGY96]. **Bases** [MR93, Sti93, Tra98, AH08, BS98, BF03,
BW91, BGM91, BW98, CD11, CCT08, CL06, CdG07, Cox07, CG86, Cza91,
Dah09, DCS05, EP11, ER94, FR09, Fau02, Fau09, FES10, FM11, FES12,
FEV13, FS13, GGV10, GM86, GZ08, KSW11, KFS86, KM96c, KN07, LSS13,
Lev07, MMM91, MR10, MMT92, Mor89b, Nor98a, PW06, Pet91, Ryb91,
Sat98, SS01, Sch96, Ste97, SWMZ12, SS02, SS06c, Wei92a, Wei02, Win89a,
ZW06, ZL09, ZLS12, ZL13, Zob05, dGW99, WR07]. **Basis** [AGK96, Fau94,
KM96b, Sie94, AD11, BSS08, Cab93, Cho90, ER13, FSK86, GPT89, GR97,
Hie92, Hon96, KM96a, LM94, Man94a, MR11, MZ01, MT12, Nag11, RS12b,
SV05, SW11, Tak90a, Tak90b, TD89, TZ02, Vil92, Vil07a, Vil11, Vol03].
Bath [ABD86]. **Baxter** [GS06, Hie92, OS91]. **BC** [Doo99]. **be**
[CDS89, Fit89, Gri90b, MS02]. **before** [RS12a]. **Beijing** [Kau05]. **Ben**

Gil92, KM02, KM89, Sat98]. **Cantabria** [Gut04]. **Careful** [Kut89].
Carleman [CDS91, CD99]. **carry** [YZ86]. **carry-free** [YZ86]. **Cartan**
[DP07]. **CAS** [CA07, Kaj92]. **CAS/PI** [Kaj92]. **CAS1** [RLZ86]. **CASA**
[GKWW91]. **Case** [AGK96, ZB94, AGLM99, BF03, CA07, Dah09, Ebe10,
FH97, FES12, FS13, LMS13, RS12a, Sch12, SD86, Wei94b, dKMW05]. **cases**
[Hub04]. **Castelnuovo** [Giu89]. **Catalan** [Fee90]. **catastrophe** [GSV91].
categorical [DGT91]. **cavity** [MYT09]. **Cayley** [BC89b, CK04, WM89]. **cell**
[Bro13, McC03]. **center** [FGPF89]. **Central** [DGS94]. **centralizers** [KC09].
certain [KMO90, vzGG97]. **Certificates** [GKZ12, KNS11]. **Certification**
[Vil07a, KLYZ08, PS12, Sto09]. **Certified**
[LMMRRR13, GT09, MM11, Nag02]. **Certifying** [GLS98]. **Chains**
[BWZ94, CM95, Zim95, KMZ98, LMP09, Rol89, Zim01]. **challenge** [Laz06].
Change [PS06, BSS08, CFS90, CF92, FM11]. **Changing** [BF03]. **Character**
[Thu96a, BF94, Thü96b]. **Characteristic**
[KP94b, Som94, Alb12, BS09b, BM04, Can89, Cho90, Clu03, DPW05, DPS09,
FGT01, KW90, LS92, PS07, Sho91]. **characters** [Gri89]. **Chebyshev**
[BS09a, BJ10, EF89]. **check** [RGSGG00]. **checking** [MW05]. **Chemistry**
[Bar03]. **China** [Kau05]. **Chinese** [BW91]. **chiral** [BL91]. **Choice** [MT94].
chow [Khe02]. **circuit** [BRS09]. **circular** [Bou05]. **class**
[Ada97, BC92, DP95, GS98, RB06, SS09]. **classes**
[CS97, Pet94, RW00, Som94]. **classical** [JKR05]. **Classification**
[FMRD08, Bet13, FM01, LJM08, WX05]. **classroom** [CGG⁺86]. **Clause**
[MT94, Bon94]. **Clause-Diffusion** [Bon94]. **Client** [LH99]. **Client-server**
[LH99]. **Clifford** [Li04, Li07]. **cliques** [Bet13]. **close** [Sas03]. **Closed**
[BLvH04, CM95, BFS93, BWZ94, BCEW12, Ser12, YNT90b]. **closed-form**
[BWZ94]. **closure** [DD89b, GT97, Rio92]. **CLP** [KNKM94]. **Clusters**
[Ste96, JFRS06, Sas03]. **Co** [Mül98]. **CoCoA** [BR06]. **Code**
[Bac96, Coo92, Zim93, BGV94, Gat86, MM97, WW89, vHGv89]. **Codes**
[Mor89a, Kor01]. **coding** [Sud08]. **coefficients** [AK91a, Abr95b, AvH99,
AK12, BLvH04, CG92, Dah09, GZ04, HL86, KYZ06, ZL12, vHY10].
coercion [DR01, Doy99]. **coercions** [Web94a]. **coexisting** [FT03].
coherent [FK91b, FK91a]. **cohomology** [Sch12]. **College** [Ait95]. **collision**
[Sti89]. **collisions** [BvzGZ12, vzGGZ10]. **column** [BBP10, DPS13, ZL13].
column-reduced [BBP10]. **combinations** [BDE⁺13]. **combinatorial**
[LLMM08]. **Combinatorics** [DEF13]. **combined** [Min03, Oka89, Rus92].
Committed [MT94]. **Committed-Choice** [MT94]. **Committee** [Kal96].
Common
[DK95, KL96b, AuK93, BCSL12, Fat03, GPT89, KYZ06, Küc91, LN97].
communication [LH99, OIiM⁺97]. **communicative** [Pou06].
commutation [RLBW92, Wis89]. **commutative**
[BS86, BR06, FS13, Lev06, Nor98a, RGSGG00]. **Commutativity** [Wav99].
Comparative [BGH94]. **Comparison** [KS95, But92, Fat89b, LM08].
comparisons [BB07]. **compatible** [CFFL11]. **Compile** [BGH94, Rup10].
Compile-time [BGH94]. **compiler** [WBD⁺94]. **Complete**

computer-aided [KK91]. **computer-algebraic** [Lev12].
computer-assisted [FM01]. **Computer-Based** [IEE95]. **Computing**
[AV12, AMR89, BP07, BCEW12, BL00, BM91, Che89, CMXY09, CDM+11,
CL01, CFT95, CSU00, DZ05, DCS05, DK95, Din08, FES10, FGPT02, GL95,
Gru93, GEZ13, GS11, HR03, Hul98, HKZ10, JM10, KSW11, KMO92, Lec00,
LRW94, MZ12, MR93, Man94b, MMS07, Mil04, Miy00, Nag11, PS13, RV96,
SSW09, SC10, Sim97, Sin93, SV05, Thu96a, Thü96b, Vil96, WZ08, ZB94,
ZLS12, ZL13, van94, vzGN99, Bar89b, BPR98, BS86, Bea93, BBDP05, BF12,
BP06, BJ10, Che90a, CG90a, CM11, CL06, DW90, Enc94, Fau02, FEV13,
GGV10, GM06, GG89, GZ08, GKsL02, GT09, Gri89, GL11, HI93, HW86,
HK98, HKL99, Hit05, Kal92, KSW10, LS94, Lel12, LN97, Li07, LH08, MW01,
Mon05, Nab07, Pfl97, RY08, Ric91, RC06, RER09, Ryb91, SP91b].
computing [SP91a, Sto96, SWMZ12, Vol97, Zen03, van95]. **concepts**
[BC00]. **concrete** [Kau11]. **Concurrent** [LC94, TL94, OIiM+97].
Condensation [CT96, RMC07]. **condition** [Bür11a, CR91, CdG07, Hie91].
Conditional [DJ94]. **Conditions**
[CK00a, CK06, BOS13, CMS89, GZ90, GKZ90, Pil13, SU92]. **Conference**
[Ait95, BW98, LGG97, Mor89a, Sin93]. **configurations** [FK91b, FK91a].
confluence [KMO90]. **Conform** [Sey86]. **conformal** [Sey86]. **congruence**
[Sch91b, SZ91]. **conic** [SW10]. **conjecture** [AJL01, Bad94, Koe03].
conjugacy [CS97]. **conjugated** [EPB97]. **conjugates** [BH06]. **connected**
[BPR98, BM04, DS03, Gri90b]. **connections** [BCEW12]. **connectivity**
[Roy12]. **conquer** [But86]. **Consistency** [GR10, GMS90]. **constant**
[Fee90, GZ04, Hie92, Ric92]. **constants** [CHT+07, RF94a, Ric95].
Constrained [BR94, KK89, HK98, Hon93, KYZ06]. **Constraint**
[ABP94, LC94, TL94, AB01b, Bas97, DS99, GMB01, McC99, RF94b, SF94].
Constraint-Based [ABP94]. **Constraints**
[MR94, BM05, Coh13, McC01, MB09]. **Constructing**
[Bro13, CFYT94, CO94, dG97, GHS00, KM96b, dGW99, KM96a, Tak90a].
Construction [KRL86, Ser12, YT93, BGL05, Bro99, BM05, BGHS99, DP95,
Fat90, Hon92, LuS91, Pet94, SY98, VT98]. **constructions** [CK04, CFL89].
Constructive [LY86, Fra90, GKWW91, Ren91]. **constructs** [CCF89].
content [Doo98, Doo02]. **context** [CO94, Ged86, KMO92]. **context-free**
[CO94, KMO92]. **contextual** [AB01b]. **continuation**
[Cha95, MZ11, RVWW05]. **continued** [Sha07]. **continuous** [JR98, SXZ11].
contour [Kir92]. **contraction** [Bon94]. **contributions** [BC92]. **Control**
[DGS94, LHD94, KYAH07, MGv91, RD05, dJ91]. **Controlled** [BMP98].
convergence [Fat89b]. **convergent** [KFS86, Oka89]. **converging** [KSS07].
conversion [LM94]. **Converting** [FT03, Tra98]. **Convex** [Par13, Sch09].
convexity [HS08]. **Conway** [Mül98]. **Cook** [BZ07, Giu09, Zan10].
cooperation [GMB01]. **Cooperative** [MR94]. **coordinate** [Por89].
coordinates [HK04]. **Coordinating** [Doo98]. **Coppersmith** [Vil97].
Copying [Kes94]. **corner** [PR06, ZG00]. **corners** [Rou10]. **correct** [CKP12].
Correcting [Mor89a, Jur01]. **correspondence** [AP06]. **Coset**

[Hav91, CG01, RMM98]. **cosets** [HL03, KM89]. **cosmological** [CDS89]. **cost**
[KSI97]. **cost-based** [KSI97]. **Costs** [Kes94]. **counterparts** [OS89].
Counting [vzG07, BS13]. **coupled** [FM01, GKZ91]. **Coupling** [WB93].
Covering [Nör98b]. **Cray** [WW89]. **create** [Ste08]. **Creative**
[BLS13, BCCL10, BCC⁺13, CK12, Le02]. **criteria** [BD86, Zob05]. **criterion**
[SW11]. **Critical** [BD86, El 13, FES12, GEZ10, Nor90]. **Critical-pair**
[BD86, Nor90]. **critical-pair/completion** [Nor90]. **crossing** [OS04].
cryptography [CCT08]. **cryptology** [Fau09, FES10]. **cube**
[GMN⁺91, KC07]. **cubic** [Edn97, KR08, Wei94b]. **cubics** [KM02].
Cumulating [ZB94]. **cumulation** [MGv91]. **curriculum** [Dev89]. **curve**
[ARS97, Bro91, DMR08, GR01, Gri90b, Mor92, Sha03, Tei89, Vol93a, Vol93b,
Vol97]. **curves** [AB89, ARS99, AF86, BM91, BCGY08, CK12, CJKS13,
DCS05, Du94, EKW07, Giu89, GV91b, GVT95, Gon91b, KS11a, LSYL11,
LM94, Man90, Mil11, Moo11, Por89, RSV06, SS95, SW01, SC10, van94].
customizable [ADG99]. **cuts** [DF94]. **cutting** [ZG00]. **cyclic**
[AZZ91, BF91, CF92, Han07, Vin91]. **cyclicity** [Edn97]. **cyclotomic** [BD89].
Cylindrical [BDE⁺13, Bro98, BD07a, Bro13, CMXY09, Hon90, Hon92,
PV01, Ric91, SLA89, SS03, Str10, Str12b].

D [Mez10]. **D-finite** [Mez10]. **DAE** [QV95]. **d'Alembert** [Abr93a, Abr93b].
D'Alembertian [AP94, AZ96]. **Data** [TL94, BSG97, NS06]. **Data-Parallel**
[TL94]. **database** [BIL91]. **Dataflow** [Yam90]. **decidable** [Abr10, CC90].
Deciding [AMW08, AW00, BBR93, GE11, MQR98, FFdlAGM00, Roy12].
Decision [CCF89, CC93, Wei89, Win89a]. **decoding** [KPR⁺10, Pan00].
decomposable [vzG09]. **Decomposing** [EPB97, GZ03b]. **Decomposition**
[BFS93, BS93, CGTW95, EG96, FvzGP10, GZ04, GMT89, AP01, AF86, Arn89,
BBCM11, BD07a, Bro13, CMXY09, CDM⁺10, CDM⁺11, CGJ99, EM99, FP09,
GGSZ03, GS05, GS08, GR92, GRS01, Hon90, Hon92, Hub04, LS12, Lec00,
Ley08, Mül98, Pfl08, SLA89, Sch07, SS03, Szá97, Wei92b, Zie91, Zip91, Zol97].
decomposition-lemma [Pfl08]. **decompositions**
[BDE⁺13, Bro98, CM11, DMS⁺05, Ebe00, Kir92, Maz06, Mil04, PV01, Ric91].
deconvolution [LYZ10]. **Dedekind** [BP91]. **Deduction** [DS94]. **deductive**
[BIL91]. **defect** [Bra89]. **defects** [FES10]. **defined**
[Car07, Che90b, LSYL11, SW10]. **definite** [AGLM99, GKZ12, Le02].
definition [CG01, MS92]. **definitions** [Ser89]. **Deflation** [MM11]. **Degree**
[FM96, MR10, Sch02b, Ast91, BvzGZ12, CK12, CJKS13, CR03, Ger98,
GKZ12, GRS01, HS06, Hub04, KL94, KK06, KvH13, MR11, PDS05, SW01].
Del [HS06]. **delay** [Pec91]. **delay-differential** [Pec91]. **Delayed** [DMN94].
delineability [MB09]. **delivery** [Fit90]. **denominator** [KS10, KS11b].
Dense [Por89, ABM99, Alb12, Pan89, SW04]. **depend** [AuK93].
dependencies [Sme90]. **dependent** [GP97]. **depending**
[Bou99, Che89, JP99]. **depth** [Sch05a]. **derivation** [Cha03, SW89].
derivations [GL89]. **derivatives** [BG11, FP09, RR97]. **derived** [MYT09].
Deriving [TCT97, CG90b]. **Descartes** [ESY06, JKL⁺06, Sag12]. **descent**

[BR12, BLW05, DP95, DD89b, Ebe97, Fre00, Fre03, vHM02, KS97a, Lev13, PW02, Sch04, Sho99, Tsa97]. **extent** [Jef93]. **exterior** [Gri89]. **Extracting** [YF04]. **Extraneous** [KS97b, Leh97]. **extrema** [Fat92].

facility [Gat86]. **factor** [Vil07a]. **factorable** [AZ97]. **Factoring** [BCGW89, CGK+13, Enc97b, GZ03b, KL94, LST02, Min03, SGL04, vH96, BP98, Bro94, CGvH+01, GS10, HvHN11, IKS09, KK05, Sho91, YNT90b, vH13]. **Factorization** [ASZ00, Clu03, Fre03, FM96, Sie94, ZL12, van96, Bar99, BLS+04, Chè04, CGT97, CGKW02, DGT91, DCS05, Enc97a, GKM+04, JM09, KS97a, Kal03, KYAH07, KSS07, Li07, Luc86, MSW13, NY02, Pan01, Sas01, Sch89, TW91, Tsa97, Tsa99, Tsa10, vG96, Wan90, WM89, Zen09, vzG06]. **Factorizations** [Tsa96, CL01, KLYZ08]. **Factorizer** [GL94]. **factorizing** [Hie92]. **factors** [Bea93, DPS09, Enc97a, KK06, KS97b, Kir98, LM02, Sek07]. **faithful** [dG97]. **familiar** [RL02]. **Families** [CR97, CR01, Raa13]. **fan** [DJLS07]. **Fast** [ABM99, AK91a, Ahr96, Bin96, BCS05, BS09b, BCSL12, Bro89a, Bro09, DDS13, EKW07, EGNS12, FM11, FS09, GM06, Gie94, Gie95, GRA00, HP97, Iva00, KKS86, KS97a, KM06, Kir92, Kir98, LMS07, MW94, Rák95, Sch91c, Sim98, SDKC10, SL96, Tho01, Vil94, vzGG97, Bur11b, CL89, CF92, FLMS06, GZ03a, Ger10, IKRT91, Kai94, Kal94, KMZ99, KC09, LYZ10, Lic05, Luc86, MF97, PS13, Rei97, Sag12, SW04, Sho91, VZ97, YZ86, Pos11]. **Faster** [BRS09, EGG+07, PS07, Bro86, CKY89, MT00, Rio02]. **fat** [CO01]. **feasibility** [BRS09]. **feasible** [ZR99]. **Features** [Vin91]. **February** [BW98]. **FELIX** [AK91b]. **Fenchel** [BH06]. **Feynman** [KR86]. **FFPACK** [DGP04]. **FFT** [CM96a, JX07, vdHLS13]. **FIDE** [LD90]. **Field** [DG95, ARS99, BF12, DGP02, DGP04, Ebe10, Lan91, Lev13, Ren06, RY08, Rio92, Ryb91, SZ91, ST11a, Tsa97]. **Fields** [Bin96, KP94b, KL96a, Sha93, Abe90, Alb12, BGM91, BFP12, BCR13, BM91, DP95, DDS13, Ebe97, Ebe00, Ebe03, Enc94, Enc97b, FS09, FGT01, GRS01, vHM02, HE05, Iva00, JM07, JM09, KS97a, KK06, LL93, MW00, MQR98, NY02, ORY09, Pos11, PR08, Rol89, Sch91b, Sho91, Sho99, ST12, TW91, YNT90b, ZR99, vHM04, vdW05, von90, vzGN99, vzG01]. **find** [Dat03]. **Finding** [BGM91, JKM13, KK06, Lin04, MS97, PS93a, PS93b, Sch05a, SS94, WR13, YLN95, vHY10, AH08, DPS09, For01, Gem07, Kau08, jL90, MvV89, Oak94, PZ10]. **fine** [BGK94b, MH97]. **fine-grained** [BGK94b]. **Finite** [DGP02, KL96a, Min95, Wei92a, Bad94, Bay04, BGM91, BFP12, BCR13, BM04, BM91, CIK97, DDS13, DGP04, FM06, FS09, GR10, HE05, Iva00, KS97a, KP10, LL04, LL93, Mez10, NS06, NY02, PB99, PR08, RC06, Rup10, SW89, Shi90, Sho91, Sho99, Sim97, TW91, Wei89, tW05, vdW05, von90, vzGN99, vzG01, LD90]. **finite-dimensional** [Shi90]. **finite-rank** [LL04]. **finitely** [BP91, BOLP95, CdG07, MQR98, RGSGG00, dGW99]. **finitely-presented** [CdG07]. **finiteness** [BBR93, Sal05, Zob05]. **First** [AH94, Ait95, AB98, AMBSW11, CG92, Pfl97, RSV91b, RSV91a, Sch91d, Sin89, WBD+94, Zha93, Hon94]. **fitting** [Hul13]. **fixed** [Lel12, MZ11, Wat89].

[Hub96, ACFG05, Cha90, FsG04, MT12, RGL94]. **general-purpose** [Cha90].
Generalization [Jeb93, SD86, Sti89]. **Generalized**
[Can89, GS05, Mou05, Tsa05, AW89b, BJ98, BS11a, Gem01, GEZ10, KMO90,
MPV98, PO08, SW11]. **generated**
[BP91, BOLP95, Far06, MS03b, MQR98, PW06, RGSGG00]. **Generating**
[CT96, JX07, vHKN11, ArRL89, PB99, RL89]. **Generation** [Bac96, Edn93,
RCK04, BGV94, Coo92, EF89, Gat86, GZ90, Kor01, MM97, SW89].
generator [Mil89, WW89]. **generators** [CO01, GL11, JM10, Tho01].
Generic
[AJL01, EKM96, KMY05, MS89, CGL09, FvzGP10, KS11a, Mou93, SS03].
genericity [KM99]. **genetic** [kMG97]. **Genoa** [Tra06]. **genre** [Gri89].
GENTRAN [BGV94]. **genus** [Bur11b]. **geodesy** [TSD91]. **geometric**
[CGKW02, EKW07, EM99, Giu09, KSY94, Lec00, LkGID97, Li04, Li07,
LH08, RF94b, SF94, WZ08]. **geometric-numeric** [CGKW02]. **geometrical**
[Sek08, Win89a]. **geometries** [Cho90]. **Geometry** [Kap86, Sti93, BS86,
BS07, CG90b, CGZ93, El 13, GKWW91, GMR94, HLY86, HS08, KW90,
KS86, Kut89, LY86, LL93, Par13, RF94b, SF94, San04, Ver04, WR06, Yap09].
Germany [CL96, LGG97, Glo98, Wat91, Wat10]. **giant** [Kal02]. **Given**
[DK95, FIK86, GKZ12, MMM91, Sek08]. **Global**
[GEZ10, Oku90, Din08, Fat92, KLYZ08]. **globally** [FS12]. **gmp** [GKZ07].
gmp-based [GKZ07]. **Good** [PR08, BGM91]. **Gosper** [AP05].
GRADIENT [MN93]. **Graeffe** [Gem01]. **grain** [MH97]. **grained** [BGK94b].
gram [MZ11, EKM96]. **Granularity** [LHD94]. **Graph** [Kes94, BM04, Gla97].
graphs [ASN89, BGL05, BG07, MSW07, OS04, RB91, RV93].
Grassmannian [Ruf07]. **Greater** [GPT89]. **Greatest**
[DK95, KL96b, AuK93, KYZ06, Küc91, LN97]. **green** [WL93, WJLL93].
Grenoble [vdHvH12]. **Griffiths** [BLS13]. **Gröbner**
[BW98, KFS86, MMT92, AGK96, AH08, BS98, BF03, BW91, BD08, CD11,
Cab93, CCT08, Cho90, CdG07, Cox07, CG86, Cza91, Dah09, DJLS07, EP11,
ER13, FR09, Fau94, Fau02, Fau09, FES10, FM11, FES12, FEV13, FS13,
FSK86, GGV10, GZ08, Giu09, GL94, Hie92, Hon96, KSW10, KSW11,
KM96a, KM96b, KM96c, KN07, LSS13, Lev07, MR93, Man94a, MMM91,
MMM95, MR10, MR11, MZ01, Mor89b, Nab07, Nag11, PW06, Pet91, RS12b,
Sat98, SS01, Sie94, Ste97, Sti93, SW11, SWMZ12, SS02, SS06c, Tak90a,
Tak90b, Tra98, TD89, Tra89, TZ02, Wei92a, Wei02, Win89a, ZW06, dGW99].
Gröbner-free [BD08]. **Group** [MR93, Uma06, Bea93, BGU03, But86, Col97,
CFL89, CSU00, FS12, FS13, FFdlAGM00, GSGVPN$^+$09, Hul13, KR86,
KM89, Mül98, Rei00, RF94b, SF94, Sha03]. **Group-theoretic** [Uma06].
group-theoretical [KR86]. **Groups**
[CFT95, Min95, Rák95, Thu96a, ASW05, AW89b, BCFS91, BBR93, Bay04,
BIL91, CS97, CFS90, CF92, CFYT94, CR03, CO94, EP98, FM06, Hol00, KS13,
KMO92, KC09, LRW94, LM02, Mar95, Miy00, Miy06, Miy07, Mor95, NS06,
PB99, RW00, RC06, RER09, SS94, Sim97, Sim98, Thü96b, Wei94a, Wis89].
growth [Sha99, Sim98]. **Gsolve** [Bro86]. **Guaranteed** [Bro99]. **Guarded**

[MR90]. **Introduction** [Ham94, BL90]. **introductory** [LHJ92]. **invariance**
[McC03]. **Invariant** [Val93, BLRS13, Bro98, FS12, FS13, Kem08, PS13].
Invariants
[DG95, RCK04, CvHL10, HW86, Hub10, HL12, Lev13, LI00, SM08, YZ05].
inverses [JM10, SS92, SS09]. **Inversibility** [Oll89]. **Inversion**
[BD04, Ebe97, EGG⁺07, GT90]. **investigate** [CDS89]. **Investigation**
[Gut93, AZZ91, RLBS91]. **investigations** [GVBv94]. **Invited**
[Ham94, Wan94, Ida09]. **involutive** [WZ08]. **involving**
[CCF89, CGL91, GK05]. **IRENA** [Dew89, KR93]. **Iris** [Leo86].
irreducibility [Gri90a, KM03, Nag02]. **Irreducible**
[Min95, vzG01, Ast91, BP07, CvH09, GR01, MS97, Mil04, Zen09, vHL10].
irredundant [Mil04]. **IRREGULAR** [FR95, Che90a, Som94]. **irregularly**
[FR95]. **ISAAC** [Gut04]. **Isabelle** [BHC95]. **isolate** [Sag12]. **isolated** [jL90].
Isolating [MS09]. **isolation** [CGY07, CGL09, CJ89b, CK92, GG12, JK97,
MM11, MSW13, SY11, Sha07, SY12, Str08, Str09, ST11a, ST12].
isomorphism [Han07, Shi90]. **isomorphisms** [Du94, Miy00]. **isotopic**
[BCGY08]. **ISSAC** [Gia89, Gon89, Jef08, Wan92b, ACM94, Ano95a, Ano95b,
Doo99, Glo98, Kal96, Kau05, Küc97, Lak96, Lev95, MCG13, Mor02, Mou01,
SE11, Sen03, Tra00, WN90, Wat91, Wat10, vdHvH12]. **ISSAC'93** [Bro93].
issues [BLS⁺04, HS02]. **Italy** [Gia89, Mor89a, Tra06]. **iterated**
[For01, Raa13]. **iteration** [Gem01]. **Iterative**
[Zan10, BMP98, Fre00, GSW12, Rua01, Ter09].

Jacobi [Moo11]. **Jacobian** [HS02]. **Jacobians** [Pai92]. **Jameson** [GVBv94].
Janet [Sch96]. **Japan** [BGY96, HI93, WN90]. **Java** [BCK99, Nor00]. **Jeffery**
[CA07]. **Jordan** [Gil92]. **Jose** [SE11]. **July** [ACM94, Bro93, Bro07, Cha86b,
Doo99, Gia89, Gon89, Gut04, Jef08, Kau05, Küc97, Lak96, Lev95, May09,
Mor89a, Mor02, Mou01, Tra06, Wat91, Wat10, vdHvH12]. **June**
[BGY96, IEE95, MCG13, Ng79, SE11].

Kaltofen [Laz06]. **Karatsuba** [Jeb97]. **Karlsruhe** [CL96]. **kenzo** [RER09].
kernel [tW05]. **key** [CCT08]. **KIAS** [May09]. **Kiev** [Bro93]. **kinematic**
[RGL94]. **kinetics** [CR94]. **Kingdom** [ACM94]. **Klein** [vHW05]. **knapsack**
[Chè04]. **Knowledge** [ABP94, HLY86]. **knowledge-base** [HLY86]. **Knuth**
[BD86, Win89b]. **Korea** [May09]. **Koszul** [BdC09]. **Kovacic** [vH93]. **Krylov**
[Ebe04]. **Krylov-based** [Ebe04]. **Kumar** [AP06]. **KUX1** [FSK86].

Labeled [GL89]. **Lacunary** [KK05, CGK⁺13, GR08, KK06]. **Lagrangian**
[Ruf07]. **Lagrangians** [CDS89]. **Lambert** [CJK97, CDHJ07]. **Lanczos**
[EK97, Ebe10, HE05]. **Language**
[KNKM94, BCM94, BC89b, Dal92, Gil92, GL91, Kor01, OIiM⁺97, VF92].
Languages [DMN94, KRS94, MT94, BHP07, CCF89, HI93]. **Laplace**
[SM08, Tsa05]. **Large** [SY09, BJS07, CFYT94, DSV00, GKZ07, KC09, Mil04,
RC06, RMC07, SDKC10, Vol03, Zol97, von90]. **Lattice**

[BCM94, Ste08]. **magnetic** [Bou05]. **maintenance** [ASN89]. **make** [JT94].
mammograms [EK95]. **management** [KMY05]. **manifold** [Bur11b].
Manifolds [Val93, FGPF89]. **manipulating** [DK98, FIK86, Wan91].
Manipulation
[Ng79, EF89, Fat90, LMMRRR13, MM97, Oku90, Tao90, Tsa97].
manipulator [Jur86, RGL94, Yam90]. **many** [Kau04]. **MAPLE**
[GS89, GF92, WEM98, AB01b, BHC95, Ber97, CA07, MN93, SF90, Sie93,
Ste08, VM99, YC92]. **MAPLE/MATLAB/C** [WEM98]. **MapleTensor**
[KMG96]. **mapping** [MS02, Sey86]. **mappings** [Oll89]. **maps** [FN97, SW01].
March [Sin93]. **Markovian** [MS92]. **markup** [Doo98, Doo02]. **MARS**
[WEM98]. **Marseille** [Ng79]. **Massey** [CKP12, GKsL02]. **massive** [Hie92].
Massively [DD89a, INPS93, Ber97]. **Master** [BGK96]. **Master-Slave**
[BGK96]. **matcher** [Coo86]. **Matching** [MT94, Fra90]. **math** [BSG97].
MATHEMAGIX [vdHL13]. **Mathematica}** [Har00, Soi95, Ste08].
Mathematical [Soi95, ZSST96, BC00, BC89a, Doo98, Doo02, Fat03,
GKW94, LH99, Päs09, Pur86, Pur89, SD86, TSD91, Wan97, Wan99, YF04].
Mathematics [WKZZ03, BF94, CGG$^+$86, Dev89, Fat96, Fat97, RG91].
MathScribe [SS86]. **MATLAB** [WEM98, Ste08]. **Matrices**
[KL96a, SL95, SL96, Vil96, YT93, ABM99, AW89a, ASW05, BLV99, BCL02,
BBCM11, BP93, BZ07, Che89, CS05, DE01, DE02, DSV00, DPS09, EGNS12,
EP97, FES10, FM11, Gem97, Gie94, GS11, Hit05, HS02, JFSMR08, JP99,
KKS86, Kal92, Pan89, PS13, SS11, SW04, SL93, SS06b, Sto96, Tur05, Vil93,
Vil94, Vol03, ZL13]. **Matrix** [CFT95, Gie95, Pan00, BBR93, Bar99, BCL97,
BB07, Bod10, BDPZ09, CFYT94, DCS05, Ebe97, Ebe04, EGG$^+$07, Gem07,
Gil92, GJV03, GSGVPN$^+$09, dG97, GEZ13, HP97, IKRT91, Iva00, Jea00,
Jea02, JM10, KMY05, KC09, MZ11, MZ12, MSW07, Mül98, Pai92, SY09,
Sch09, SSW09, SR89, SV05, Sto09, Str12a, Tho01, Uma06, GRA00].
matrix-based [BB07]. **Maui** [Küc97]. **Maximal** [Mon04, RW00].
Maximizing [Lam97]. **maximum** [Jef93]. **May** [ACM93, Ait95]. **MBA**
[PQZ11]. **Means** [SS93, Sti93, BD04, GS90, GSV91, KRL86, Lec00].
Mechanical [KRL93, CG90b, VC89]. **mechanics** [TMH94]. **Medical**
[IEE95]. **meeting** [Jef08]. **meets** [Sag12]. **meganode** [RSV91a, RSV91b].
Meijer [Roa97]. **Melnikov** [GT94b]. **membership** [JZXM01]. **Memory**
[BDPZ09, CR03, NF96, RW94, Ber97, KMY05, RWW94, SDKC10, SKCL12,
Wan90, Wan92a]. **Memory-based** [CR03]. **memory-intensive** [SKCL12].
meromorphic [AK12]. **meshes** [LuS91]. **meshing** [BCGY08]. **message**
[OIiM$^+$97]. **Meta** [Fau90]. **metasystem** [GT90]. **Method**
[CK93, CK96, EC93, GV93, HK94, Nam95, Av97, Akr86, BL90, BWZ94,
Bon94, BLS13, CGL09, Cho90, CJ89b, CGT97, DJLS07, DT86, DP07,
ESY06, FFdlAGM00, GS89, HKZ10, JKL$^+$06, KM89, Le02, LÜ10, LSWZ06,
LD90, MZ11, MW05, RTZ03, Ric95, Sti89, Ter09, Wat89, Zen03].
Methodology [ZSST96, Fra90]. **Methods**
[BGH94, CG90b, Baj86, Bar10, BB07, BMP98, CZ00, CK02, DKLM98, El 13,
EGT10, GSV91, GGS89, Gem07, Ida09, MR90, Pec91, Rum10, Rup10, Sau01,

Sza11, VT98, Zan10, SS91]. **Metric** [LI00, YZ05]. **MGTP** [HK94].
microcalcifications [EK95]. **microcomputer** [Jur86]. **middle** [vdH03].
MIMD [RSSRV89]. **Minimal** [AZ97, AP01, CO01, Sch05a, Sho99, ZLS12].
minimised [LkGID97]. **Minimum** [KSS07, MZ11]. **minimum-rank** [MZ11].
Minion [Pur89]. **misconceptions** [Jur01]. **Mixed**
[Gat91, VZ97, Wei99, van96]. **Mmxlib** [vdH06]. **Model**
[GT94a, BL91, Bel90, Che90b, Li04, LCW05, MW05, SKCL12]. **Modeling**
[DR01, DJLS07]. **models** [Baj86, CDS89, CR94, Eri04, Far06, Vin91].
modern [Bis12, Ger10]. **modified** [Bon94, MZ11]. **Modula-2** [Kre89].
Modular
[KLW90, MF94, Nor06, Enc94, Enc97a, FS13, vHM02, JM07, KM99, KN07,
LN97, LS90, Mil11, Mül98, RWW94, RY08, Sme89, dKMW05, vH96].
module [ABRC97, BF12, FSK86, LM08, Tak90a]. **modules**
[BP91, CIK97, GS05, LSWZ06, RMC07, ZW06]. **Moduli** [FN97]. **modulo**
[LMP09, MP06, MS98]. **Moment** [JFSMR08, BBCM11, MZ12]. **Monad**
[HCB94]. **monic** [dKMW05]. **monodromy** [MPV98]. **Monoid**
[MR93, Rei00, RGSGG00]. **monoids** [WJLL93, WL93]. **Monomial**
[BS98, ER94, BdC09, Fre00, Mil04, Nör98b, Rou10]. **monomials** [Kal93].
monotonic [BKLG97]. **Monster** [RC06]. **Montréal** [Lev95]. **Morehouse**
[Ait95]. **Moreno** [AJL01]. **Moreno-Socías** [AJL01]. **Moser** [Bar95, BP07].
Moser-reduction [BP07]. **motion** [RLBS91, VT98]. **moves** [KC07].
Moving [SM08, BGJ13]. **MP** [GKW94]. **MPI** [Coo95b, Coo95a]. **MPP**
[BSG96, KNKM94]. **MPP-Oriented** [KNKM94]. **Multi**
[AGK96, BGK94a, RY08, Kor01, Küc91, YNT90b]. **multi-environment**
[Kor01]. **multi-language** [Kor01]. **Multi-modular** [RY08].
Multi-Threaded [AGK96, BGK94a, Küc91]. **multi-variate** [YNT90b].
Multidimensional [KMZ98, BH06]. **Multigraded** [CdR96].
Multihomogeneous [BBCM11, DE02, EM09]. **multilinear** [RG91].
Multipath [GT94a]. **Multiple** [BCLV13, CCG05, CGT97, CEMP05,
vHM02, MK99, Pet94, SS06a, ST12, Zen03]. **multiple-point** [Pet94].
multiples [BCSL12]. **multiplication** [Bis12, BZ07, Bod10, BDPZ09, FM11,
GKZ07, GSGVPN$^+$09, HR10, vdH03, KMY05, MP09, Roc09, Sch05b, Sim98,
SDKC10, Str12a, Uma06, Zan10, van97, vdHL12]. **multiplications** [HP97].
Multiplicities [MMM95, DPS09, GV00]. **multiplicity** [DZ05, WZ08].
multiplier [BL10]. **multiply** [Miy07]. **multipoint** [MF97].
Multipolynomial [MC92, MC91]. **Multiprecision** [CK00b].
Multiprocessor [BGK96]. **Multiprocessors**
[RW94, CBdCD97, RWW94, Wan90, Wan92a]. **multiterm** [Sas86].
Multivariate [GL95, KS95, Lev13, MF94, RW94, Sch05b, Ste96, BW91,
Cha86a, CGKW02, Din08, EMT10, FP09, FvzGP10, GKM$^+$04, GLsL06,
GV91a, Gon91a, GE11, HWSZ00, HKZ10, JM09, KY89, KLW90, KK06,
KY13, KS11b, Lev07, RWW94, Rua01, SY98, Sas01, ZR99, vdHL12].
Munich [Wat10].

Nash [Dat03]. **Navier** [GVBv94]. **NC** [GR97, MP90]. **Near**
[SY12, Sto96, BAE$^+$00]. **near-rings** [BAE$^+$00]. **Nearest**
[KL96b, HK98, HKL99, Hit05, Sek08]. **Nearly**
[BCFS91, Mar95, Mor95, Pan01, SS94]. **necessary** [GZ90, GKZ90, SU92].
neighborhood [Che90a, CG90a]. **Nested** [Sha93, Sch04, Sch05a]. **Network**
[Fat97, DJLS07]. **networks** [Far06, KR93, Wan91]. **Neumann** [Sat98].
neural [Ait95, Wan91]. **Newton**
[AP05, Bar89b, DRJ97, KSG04, PR08, Sag12]. **Nielsen** [RMM98].
Nilpotency [Rák95]. **Nilpotent** [CDS91]. **no** [Akr86]. **NODES** [Cod92].
Noether [Vol93a, Vol93b]. **Noetherian** [GT97, Wei92a]. **noise** [KY13]. **Non**
[Bac96, Bou05, CCT04, CdG07, ACJ03, BKLG97, BAE$^+$00, CKY89, CKS09,
Cod92, DMR08, DRJ97, FS13, GS10, HP89, LMS13, Lev06, LuS91, Nor98a,
OS04, dKMW05, KR86, Wei92a]. **non-Abelian** [KR86]. **Non-associative**
[CdG07]. **non-commutative** [Lev06, Nor98a]. **non-crossing** [OS04].
non-holonomic [CKS09, GS10]. **non-identities** [HP89]. **Non-Linear**
[Bac96, ACJ03, BAE$^+$00, CKY89, DRJ97]. **Non-Liouvillian** [CCT04].
non-modular [FS13]. **non-monic** [dKMW05]. **non-monotonic** [BKLG97].
non-Noetherian [Wei92a]. **non-orthogonal** [LuS91]. **non-reduced**
[DMR08]. **non-singular** [LMS13]. **nonalgebraic** [Ric91]. **Nonassociative**
[BHP07, Jac94]. **nonclassical** [OS89]. **noncommutative** [LS03, Mor89b].
noncomputability [Ser89]. **nondivisibility** [uGKO92]. **Nonlinear**
[Edn93, KRL93, Ren91, AZZ91, CDS89, FNM86, Gat91, GZ90, GKZ90,
GKZ91, HR03, KR93, LCW05, Pol98, Roa94, Rus92, Tsa99, dJ91].
nonlinearities [KR08]. **nonrelativistic** [BC92, VC89]. **Norfolk** [Sin93].
norm [Pet91]. **Normal** [Abe90, Gie95, SW04, SL95, SL96, Val93, BLV99,
BGM91, BD08, Che89, CDS91, CD99, GLL04, HL12, Hul98, MW01, Mou05,
RSV06, SR89, Sto96, Sto98, Vil93, Vil94, van95]. **normalizability** [Oka89].
Normalization [SS11]. **normalizer** [Miy06]. **normalizers**
[LRW94, LM02, Miy00]. **Normalizing** [Edn93]. **Norman** [GS89]. **norms**
[Enc97b]. **Notation** [ZSST96]. **notations** [Har00]. **Note**
[OS89, RMM98, RSV06, Vol03]. **November** [BKLG97]. **NP**
[AD11, AIRR10]. **NP-complete** [AD11]. **NP-completeness** [AIRR10]. **null**
[Ebe04]. **nullifying** [McC03]. **nullspace** [SV05, ZLS12]. **Nullstellensatz**
[Kap86, LLMM08]. **Number** [AH94, ABD86, BF12, BS11b, BM91, CR91,
DP95, Enc94, Enc97a, Enc97b, vHM02, JM09, Joh92, Kal93, KK06, Lan91,
LS90, MW00, Rol89, SY98, Sme89, Zim97, vzG09]. **Numbers**
[GR94, Abb89a, Abb89b, Bür11a, CZ00, GR97, GGS89, JPR05, Maw86,
MP90, MG94, Mor92, RL02, Rio02, vdH06]. **Numeric**
[KM95, SWY11, WB93, Zim93, CCG05, CGKW02, Far06, GVv92, GVBv94,
Gat91, GF92, GLsL06, KZ06, NM90, RTZ03, RVWW05, Roa94, RD05,
Rus92, Sza11, WR07]. **Numeric-symbolic** [KM95, SWY11]. **Numerical**
[AC04, Fat81, GV93, Ged86, Ley08, Nam95, SS95, TZ02, Ver04, Cha95,
Cha89, CGY07, Dew89, Dew92, GW97, GR01, Gat86, GT09, JKM13, Kir92,
Kir98, Kor01, MV90, Mez10, PU98, WR06, Yap09]. **numers** [GV00].

NumGfun [Mez10].

Object [CM96b, Gla97, ACS86, Sti97, VF92, BGY96]. **Object-based**
[BGY96]. **object-oriented** [ACS86, VF92]. **object/image** [Sti97]. **objects**
[DK98]. **OBPDC** [BGY96]. **observability** [Sed01b]. **observations** [RL02].
obstacles [GS98]. **obtain** [Jef93]. **Obtaining** [CT91]. **October** [HI93].
ODE [DP07, Edn93, Rus92, Sch95b]. **ODEs**
[BLvH04, CCT04, FNM86, JKM13, LSYL11, Sch95a]. **One** [GMN⁺91,
AIRR10, DS03, GRS01, KM95, LSWZ06, Mai98, Por89, Rei00, WCD08].
one-dimensional [KM95, LSWZ06]. **one-sided** [Rei00]. **Ontario**
[Bro07, Mou01, Cha86b]. **open** [Bro13, Ste08, YZ05]. **OpenMath** [DGW97].
Operating [Mar91]. **Operation** [GK94]. **Operations**
[DJ94, Wan94, BHP07, CT98, GGS89]. **Operator**
[Tsa96, ABP95, Arn89, Ast91, Gol86, Hon90, SS03]. **Operators**
[van96, AvH99, BCR08, BCSL12, Bro94, BMW97, CJKS13, CGL91, Fre03,
GS90, Gon86a, GSZ11, LST02, RRM09, RG91, RR08, Tsa97, ZL12]. **Optical**
[BF94]. **Optimal** [Bay04, KM96b, ARS97, BZ07, CR91, KM96a, LkGID97,
Mon04, Pan01, SY12, Sto96]. **optimality** [CK02, KLYZ08]. **Optimization**
[Bac96, CCC98, TD90, Zim93, Zim95, CMS89, Fuk08, GEZ10, HMS01,
KYAH07, KYAH08, LKK91, Par13, tW05, vHGv89]. **Optimizing** [MT94].
optimum [Din08]. **options** [BP06]. **Or/Tiwari** [KsLL00]. **orbit**
[AB00, Bay04, Bou05]. **orbital** [RLBS91]. **Order**
[CK12, ABRC97, AB98, AK12, BCB09, BBP10, BGU03, Bro92, BIL91,
CCT04, CJKS13, Cor01, FvH11, FP09, GS08, KvH13, McC03, PS06, Pfl97,
Sch95a, Sch95b, Sch96, SU92, Sto02, Zha93, ZL09, vHW05, vH07, vHL10].
Order-degree [CK12, CJKS13]. **order-invariance** [McC03]. **ordered**
[Rio92]. **ordering** [BF03, FM11, HL03]. **orderings** [Fre00, Lev07, Zob05].
Orders [Wei93a, DSS04, Wei93b]. **Ordinary**
[Hub96, Min95, Tsa96, ACFG05, Bar10, BR12, BCR08, BCSL12, Bro92,
Bro94, BF99, BL02, CDS91, Cod92, CG92, DRJ97, FsG04, Gri90a, Hub04,
Mac89, Oku90, Sch89, Sch96, Tsa97, Tsa99, ZL12]. **ore**
[CJKS13, Av97, GZ03b, LL04, LN97, Li98, LSWZ06]. **Oregon** [Gon89].
organising [BL98]. **organize** [Pur89]. **Oriented**
[CM96b, KNKM94, ACS86, VZ97, VF92]. **origami** [Ida09]. **orthogonal**
[LL04, LuS91]. **Orthogonalization** [EKM96]. **oscillating** [Sha89a].
oscillations [AZZ91]. **oscillators** [CT91]. **other**
[AZ96, EGG⁺07, LM08, RC06, Zol97]. **outlier** [CKP12, KY13]. **Output**
[KPR⁺10, AL08, Kal02]. **Output-sensitive** [KPR⁺10, Kal02].
overdetermined [GS99]. **overview** [HVS97, Sza11]. **Oxford** [ACM94]. **Oz**
[HVS97].

p} [Clu03]. **PA** [Sen03]. **PAC** [GR94, RSV91b, RSV91a]. **Package**
[Sch94, ABD86, BGV94, DGP04, EF89, FK91a, GKWW91, GV91b, Gon91b,
LD90, MS92, Mez10, Zol91, vHGv89]. **packages** [Pol98]. **Padé**

[BCL97, BL09, CL89, Cha86a]. **Painleve** [Ren91]. **pair** [BD86].
pair/completion [Nor90]. **papers** [BGY96]. **Par'97** [LGG97]. **Para**
[Sch94]. **Para-Functional** [Sch94]. **paradigm** [LSS13]. **Parallel**
[ACM93, BP90, BP93, Bis12, BGK96, BP94, CM96a, CJSW94, Coo95a, CT96,
FM96, GR94, GK94, GT94a, GL94, HCGW93, Ham94, Hon94, INPS93, KP94a,
KP94b, KRS94, MP09, MF94, PG97, RW94, SRHW94, Sch94, SR89, Sie94,
Sin93, Tak94, TL94, Tra98, Vil92, Wan90, Wan92a, Wan94, Web94b, WB93,
ZB94, Ait95, AT94, Ber97, BGY96, BGK94b, Ces97, Cha90, Che90b, Coo95b,
CG01, CBdCD97, DD89a, DGS98, Ebe97, Fit89, GR97, Gie97, Gla97, HP97,
KKS86, KSI97, Lam97, LGG97, Mou93, MF97, Nöc00, NF97, RC06, RMC07,
SLA89, Sed01a, SW89, SKCL12, TCT97, VZ97, Vil94, Wan97, FR95, HI93].
parallel/distributed [Wan97]. **Parallelising** [Bra94]. **Parallelism**
[DMN94, LHD94, Bel90, GP97, MH97]. **Parallelization**
[BGH94, Fau94, HK94, RWW94, Ber98, Bra90, LD11]. **Parallelizing**
[GD93, Sie93, SB94]. **parameter** [AuK93, GK05, JP99]. **parameterization**
[AC04]. **parameterizations** [van94]. **parameterized** [BOS13, BD04].
parameters [Abr10, Bou99, Che89, YL91]. **Parametric** [KYAH07, SZ10,
ARS99, GC91, GC92, GVT95, LJM08, Mor06, PW06, SS09, Sit91, Yok04].
parametrisation [HS06, vdW06]. **parametrization**
[LSWH00, RSV06, Sch98, Sch00, WCD08]. **parametrizations**
[BD07b, Man90, Sch02a]. **Parametrized** [EGL04]. **PARCS** [KNKM94].
PARDI [BLM01]. **Parsing** [ZSST96]. **part** [Kau08]. **Partial**
[BS93, FFGMGV02, KS10, PDS05, Kir92, Kir98, LST02, Oak94, RR97, Sch92,
SS03, STK97, Tsa05, Tsa10]. **partition** [Col97, HC05]. **parts** [AHY05].
PASCO [Hon94]. **Paso** [BKLG97]. **Passau** [LGG97]. **past** [Bar03]. **path**
[ASN89, GS98, MR89]. **paths** [ASN89]. **PC** [IKRT91, RLZ86]. **PDE**
[ACJ03, GMS90, GR10, GS08, Hie91, HR03, WR06, WR07, LD90]. **PDEs**
[GV93, LRB95, RLBW92, Wol95]. **pencil** [Sch00]. **Penny** [MH97]. **perfect**
[GR08]. **Performance** [KRS94, JKL+06, Lam97, Päs09]. **Performing**
[KMG96]. **periodic** [FNM86]. **permanent** [Koi12]. **Permutation**
[CFT95, Rák95, BCFS91, Bea93, BCF89, CS97, CFS90, CF92, CFYT94,
CR03, EPB97, EP98, LRW94, LM02, Miy00, Miy06, Miy07, RMC07].
permutations [SDKC10]. **perspective** [FMRD08].
perspective-three-point [FMRD08]. **perturbation** [Jea00]. **perturbative**
[SS91]. **perturbed** [Jea02, Mac99]. **Pezzo** [HS06]. **Pfaffian** [PV01, RB06].
Pfaffians [IK12]. **phase** [ASZ00]. **Philadelphia** [Sen03]. **phylogenetic**
[Eri04]. **physical** [Dye94, SS91]. **physicists** [GL91]. **physics** [SD86, SS91].
PI [Kaj92]. **Picard** [BLW05]. **piecewise** [Car07, Far06, JLVR97, JR98].
piecewise-continuous [JR98]. **piercing** [Nus97]. **PIMs** [LS92]. **Pincherle**
[DT86]. **pipe** [LSWH00]. **place** [HR10]. **plain** [BCLV13]. **planar**
[Edn97, KSG04, OS04, TC89]. **Plane** [HS08, Bus01, EKW07, FS12, GV91b,
Gon91b, GS98, GS08, GS10, Tei89, Vol97]. **please** [GMN+91]. **plotting**
[ABK95, Fat92]. **Plural** [LS03]. **Poincaré** [Rou10]. **point** [Che90a, CG90a,
CK00b, CFL89, DS03, EPW89, El 13, FMRD08, GZ03a, HM01, KLYZ08,

LÜ10, MZ11, MBC92, OS04, Pet94, Por89, Rum10, SY98, WCD08, Wat89].
points [BM91, CO01, FES12, Gri90b, Lel12, WR13]. **Poisson** [OS91]. **Polar**
[DS03]. **poly** [BBDP04]. **poly-algorithmic** [BBDP04]. **Pólya** [PR06].
polycyclic [AW89b]. **polyene** [Vin91]. **polygons** [KSG04]. **polyhedral**
[Fuk08]. **polylogarithms** [Bad94, MPV98]. **polymorphic** [Dal92].
Polynomial
[BSG96, Bin96, CIK97, CK93, CK96, CGTW95, DG95, For01, JK97, Kal03,
KL96b, LM02, MMM95, MF94, RCK04, SW10, Ste96, SL95, Vil96, Wan94,
YT93, YLN95, AK91a, ABP95, Abr95b, AvH99, AK12, AMW08, ALM09,
BFS93, BBR93, BLV99, BG11, BBCM11, BFP12, BF12, BP90, BB07, Bis12,
BZ07, BMP98, BLS+04, BCS05, Bou99, BHP07, BJ10, CKY89, CR91, CM11,
CL06, CGL09, Chè04, CK04, CK06, CK92, CKP12, CGR10, CGT97, CGJ99,
CSU00, CO94, CG92, Cuc00, DZ05, DCS05, Din08, DPW05, DPS09, ES12,
ER94, Enc97a, FR09, FMRD08, FS12, FLMS06, FGT01, FN97, FSK86,
GY06, Gat90a, Gat90b, Gem07, GZ90, GKZ90, GGSZ03, GR08, GJV03,
GLV89, GS99, GE11, GS11, HvHN11, HR10, HS08, HK98, HKL99, HKZ10].
polynomial [IKS09, JZXM01, Kal90, KY89, KLW90, KS97a, KM99,
KYAH07, Kau04, KSS07, Kir98, Küc91, LS03, LJM08, LF95, LI00, jL90,
Luc86, MZ12, Mai98, MW94, Man94b, MM11, MS02, MR10, Maz06, MS97,
MYT09, MP06, MP09, Mor06, Mou05, MF97, Nor98a, NF97, NY02, Oak12,
Pan00, PZ10, PS07, RRM09, Ren06, RY08, Roc09, Sag12, Sas01, Sat98, SS09,
Sch91d, Sed01b, SS06a, Sek08, Sme89, Ste97, SV05, Str12b, SWMZ12, Sza11,
Vil93, Vil94, vG96, Wan90, Wei92a, tW05, WR13, YZZ13, Zen09, ZL12,
ZL13, ZR99, vHM04, vdHL12, vzG06]. **polynomial-based** [BJ10].
polynomial-exponential [AMW08]. **polynomial-nonlinear** [GKZ90].
Polynomial-time [LM02, GGSZ03]. **polynomial-type** [tW05].
Polynomials
[DK95, GL95, Gri96, KL96b, RW94, RS96, Ric93, von90, AuK93, AIRR10,
BCGW89, BCL02, BL10, BCR13, BD89, BD08, Bün91, Can89, CGK+13,
CGvH+01, CGKW02, EG07, EGT10, Enc94, Enc97b, FP09, FvzGP10,
FIK86, GW97, GKM+04, GZ04, GG12, Gem97, Gem01, GKsL02, GZ03b,
GLsL06, GLV89, GV91a, Gon91a, uGKO92, GV00, GEZ10, GKZ12, HWSZ00,
JM07, JM09, Jea02, KL94, KM03, KK05, KYZ06, KK06, KSG04, LS94,
LMMRRR13, Lev07, Lev13, LN97, Li98, MS03a, MS09, Min03, Min06, Moo11,
MS98, MM01, Nag02, ORY09, Pan01, PW06, Par04, RWW94, RR08, SGL04,
Sek07, Sho91, Sho99, ST98, Ter09, TW91, VZ97, Wei92b, YNT90a, YNT90b,
Zen03, ZD04, kMG97, vH13, vdHLS13, vH96, vzG07, vzG09, vzGGZ10].
Polytime [GS98]. **polytope** [OS04]. **polytopes** [DEF13, SGL04, San04].
Pommaret [GZ08]. **poor** [Pos11]. **Popov** [Vil96]. **portable** [Kaj92, WW89].
Portland [Gon89]. **pose** [RTZ03]. **position** [CGL09]. **positions** [Mou93].
Positive [KP94b, AHY05, BS09b, HKZ10, KP10, YZZ13].
positive-dimensional [YZZ13]. **positivity** [Pil13]. **PostScript** [YF04].
Power [Abr08, ACJ03, BSS08, BSC+12, Koe03, BBD03, Bod10, vdH02,
HR03, KFS86, NF97, PB90, RRW99, Sch05b, Wat89, Wis89, van97].

power-commutation-presentations [Wis89]. **PowerMath** [DR86].
powers [BMW97, GR08, Leh97, vzGN99]. **PPOPP** [ACM93]. **Practical**
[EC93, HvHN11, Jeb97, RS12b, TW91, GRA00, GR92, NY02]. **Practice**
[ACM93, BLS03, DS97, LMS07, Maz06, PS13, SW04]. **Precessions** [SS93].
Precision [Ahr96, CK93, BP06, GZ03a, KSS07]. **PRECOMAS** [Fra90].
Preconditioners [Tur05, Ebe10]. **Preconditioning** [SL95, PQZ11]. **prefix**
[KMO90]. **preprocessing** [PZ10]. **Presburger** [Wei97]. **present** [Bar03].
presentation [Doo98, Doo02]. **presentations** [CO94, KMO92, Wis89].
presented [CdG07, vHM02, KM89, dGW99]. **Presenting** [DS94]. **preserve**
[MH01]. **pricing** [BP06]. **Primality** [Dav92, CJ89a, GW97, KVY89, Mor92].
primary [Ley08]. **Primbasissatz** [LM94]. **prime** [Maw86]. **Primes**
[CM96a]. **Primitive** [MZ96, Kal90]. **Principal** [ALM09, RGSGG00].
principle [BLS03]. **Principles** [ACM93]. **Probabilistic**
[Bür11a, GV93, Mon05, Sed01b, BCLV13]. **probability** [CJ89a]. **problem**
[AB00, AW89b, BL90, BP98, Bar99, BW91, BG07, Bus01, Chè04, CCC98,
FMRD08, GSZ11, GRA00, Han07, Jea00, JZXM01, WJLL93, KMO90, LCJ98,
Laz06, MH95, MYT09, MM97, MS98, Pur86, Pur89, Ric92, RF94a, SD86,
Shi90, Sti89, Sto97, TSD91, WL93, YZ05]. **problems**
[Abr10, AMW08, AW00, BGP12, BCF89, CMS89, FR95, HKL99, Koh90,
Nus97, Sau01, SF90, SVV10, TMH94, VC89, tW05]. **procedure**
[BD86, BGK94b, GK05, Win89b]. **procedures** [CCF89, CC93, Pil13, Wei89].
Proceedings
[ACM94, Glo98, Kau05, Lak96, Lev95, MCG13, Mor02, SE11, Sen03, Wat10,
vdHvH12, Ait95, Bro93, Doo99, Gut04, Jen76, Küc97, Mou01, Tra00, Wan81,
WN90, Wat91, ACM93, AH94, Ait95, Bro07, Cha86b, Gon89, IEE95, Jef08,
May09, Mor89a, Sin93, Tra06, Wan92b, CL96, FR95, Gia89, HI93, LGG97].
process [AB01b, BL91, Cha95]. **Processes** [DS94, BP90, MS92].
Processing [Sin93, SB94, Tak94, WB93, Bas97, LGG97, MF97]. **Processor**
[Ebe97]. **Processor-efficient** [Ebe97]. **product**
[CCG05, Cha03, EPB97, GRA00, vdH03, Li07, PB99, Sch05a, Zol97].
Products [BCR08, CZ00, KMZ99, Sha99]. **profiles** [DPS13]. **Program**
[Bra94, KF91, Leo86, Mil89, MM97, Pol98, Yam90]. **Programming**
[ACM93, BCM94, CM96b, Ham94, KP94a, LC94, RS12a, Sch94, TL94,
Wik94, BKLG97, CBdCD97, FLMS06, Gil92, GSW12, GMB01, LK90,
LkGID97, MS89, SKCL12, Ste13]. **Programs** [BGH94, GD93, LHD94,
SRHW94, SB94, Wol95, Bel90, Fat03, FIK86, LKK91, Päs09, SS91, TCT97].
Progress [Cha90, KMG96, Wan94, Jac94, Vil07b, Vil11, WGK+01]. **project**
[BJK+97]. **projection** [Arn89, Bro00, DSS04, Hon90, McC99, SS03].
projections [BY09, CSV13, EGG+07, KS11a]. **projective**
[Bus01, MT00, vzGGZ10]. **Prolog** [GT94a]. **proof** [Cha03, HC05, Sta90].
proofs [Bon94, Fat03, uGKO92, KW90, Kau04, MR89]. **propagation**
[McC01]. **Proper** [Sch00, Man90]. **Properties** [KL96a, WG91, Zim01].
proposal [BSG97]. **protocol** [GKW94, Wan99]. **protocols** [BSG97].
prototyping [WGK+01]. **proved** [BF91]. **prover** [HLY86]. **Proving**

[Sti93, AGLM99, Bon94, Bon97, CGZ93, GK05, GMR94, Kap86, KS86, LL93, LLMM08, Mor92, OS89, Pil13]. **Pseudofactors** [HWSZ00]. **pseudogroups** [LRB95]. **PSLQ** [CSV13]. **public** [CCT08]. **Puiseux** [AV12, PR08]. **purpose** [Cha90]. **puzzles** [EP98].

Q [Dum08]. **Q-adic** [Dum08]. **QCD** [BL91]. **QR** [KSS07]. **QR-factorization** [KSS07]. **Quadratic** [KNS11, Fat89b, Hon93, Rol89, Sch91c, SP91b, SP91a, WCD08]. **Quadratic-time** [KNS11]. **quadrature** [Tao90]. **quadtree** [AW89a]. **Qualitative** [Rd91]. **quandles** [McC12]. **quantified** [SZ10]. **Quantifier** [CJ89b, Hon93, Wei94b, Bas97, BD07a, BS10, DGS98, DW00, Hon92, HD09, McC99, McC01, MB09, ST11b, Wei99]. **quantitative** [PR06]. **Quantum** [Gri96, Hie92, VC89, KS13]. **quartic** [Moo11]. **quasi** [FEV13]. **quasi-homogeneous** [FEV13]. **Quasilinear** [Tho96]. **quaternary** [SP91b, SP91a]. **query** [Bas97]. **questions** [Vil07b]. **quotient** [Mon04, MT12]. **Quotients** [YLN95].

radical [BOLP95, Dah09, FGT01, JFRS06, JFSMR08, KS07, Lap06]. **radicals** [FFGMGV02, HM01, Sme90]. **radius** [HKZ10]. **Rainbow** [Bet13]. **RAM** [SDKC10]. **Ramanujan** [Bur91, Fee90]. **Ramis** [DT86]. **Random** [EGT10, CFS90, Gon86b, Pol98]. **Randomized** [AIRR10, PQZ11, EK97, Iva00]. **randomly** [Far06]. **Rank** [KL96a, RB06, BJS07, CCF89, DPS13, Ebe04, FES10, LL04, MZ11, MZ12, MSW07, SY09, SV05, Sto09, Tur06]. **Rankings** [RR97]. **Rational** [Abr95b, AB98, ALP03, Bar89b, Bar99, Bin96, BLPR13a, BS93, CD99, FsG04, HS06, HL12, MP06, MS00, Sch98, Zie91, Zip91, van96, van98, AK91a, Abr95a, ASW05, ARS97, AIRR10, BCGW89, Bar95, BCCL10, BLS13, BS11b, Cha89, CFFL11, CKS12, CZ00, DCS05, EGG+06, GLL04, Gem01, GGSZ03, Gie94, uGK91, GEZ13, GR92, HKL+09, KLW90, KY07, KN11, KM06, Kir92, KRL86, Le02, LSYL11, Lic05, MS02, Mon04, Oll89, PDS05, Pfl08, RSV06, SWY11, Sch00, SW01, SC10, van94, vHY10]. **rationality** [vH93]. **rationalizing** [KLYZ08]. **rationally** [Vol93a, Vol93b]. **rationals** [vH13]. **reachability** [GE11]. **readable** [HC05]. **Real** [CK93, Joh92, PZ10, Rio92, Str08, Str09, AHY05, BG11, BRS09, Bro89b, CGY07, CJ89b, DS03, DET07, EKW07, El 13, EGT10, FMRD08, FGPT02, GV91b, Gon91b, GMR94, HKL99, HD09, HD00, HKZ10, JK97, KS11c, KSS07, Koi12, LS90, MZ12, MS09, MP90, PT13, Rio02, Roy12, Sag12, Sch98, SS06a, Sek07, Sha07, SY12, ST11a, ST12, ST11b, WX05, Wei94b, Wei99, WR13, YZZ13, vdH06]. **real-integer** [Wei99]. **realization** [AM90]. **Reals** [MR94, Din08, Tiw10]. **reasoning** [BKLG97, BC89a, Cha89, Cho90, KSY94, KSI97, KK89, Rd91]. **recipe** [Li07]. **Recognition** [Rák95, BF94]. **recognizing** [HK04, Ric95]. **reconstruction** [Bon94, BS11b, KM06, Mon04]. **Recording** [DS94]. **recover** [KS11a]. **Recovery** [Abb89a, Abb89b, KY13, Lic05]. **Rectangular** [SL95, ZG00, HP97, LuS91]. **rectifying** [LÜ10]. **Rectilinear** [Nus97].

recurrence [CvHL10]. **Recurrences**
[Zim95, BWZ94, BCSC06, Fat89a, KMZ98, TCT97, Zim01]. **Recurrent**
[Zim93]. **recursion** [ESY06]. **Recursive**
[JR98, Abr06, BP90, LSWZ06, SKCL12]. **reduce**
[Ebe10, AM90, BL91, BGV94, BHPS86, BC92, CC89, Fit89, Fit90, GMS90,
GS90, Gat86, GV91b, Gon91b, KRL86, Kry86, KR86, LD90, Mac89, Ren91,
RG91, TSD91, vHGv89, PB90]. **Reduced**
[KM96b, BBP10, DMR08, GR01, Jea02, KM96a, SS11]. **reducedness**
[Vil07a]. **reducible** [BP98, Bod04, vzG07]. **Reducing** [Kes94, FS04].
Reduction [CFL89, Koh90, RB91, Sch92, BL90, Bar89a, BP07, BCL02,
BCC⁺13, Bro89a, Fau02, GLL04, JP99, Jea00, Kai94, PR08, QV95, RMM98,
RB06, Sch91c, Vil92, Vil11]. **reductions** [HMS01]. **redundant** [KPR⁺10].
Reexamining [MR90]. **reference** [FT03]. **refined** [KS11b]. **refinement**
[GSW12, PT13]. **Refutational** [KW90]. **regions** [HS08, SW10]. **Regular**
[BBP08, Man90, SS93, AF86, BCB09, BL00, BM04, CG90a, WJLL93, LMP09,
MSW07, Sat98, WL93]. **regularity** [Giu89]. **regulator** [SZ91]. **related**
[Abr10, BdC09, CCF89, EP98, HKL99, JLVR97, SW11, Vil07b]. **relating**
[CK04]. **Relations** [Zim93, CC90, CvHL10, MS97, RLBW92, Sas01].
Relative [Col97, Gut93, CJ89a, DP95]. **relatively** [ARS97]. **Relaxed**
[BL12, vdH03]. **Reliable** [Ebe04, CL89, HE05]. **reliance** [Ebe10].
remainder [BW91, Kal90]. **Remarks** [MZ01, Nöc00]. **reordered** [CGT97].
reparametrization [ARS97]. **replacement** [PB99]. **replicable** [NM97].
Report [KMG96, Wan94, Cha90, Jac94, WGK⁺01, WBD⁺94].
Representation
[BOLP95, AW89a, DK98, FM06, Maw86, MT12, Por89, Sha99, VZ97].
Representations [CFT95, Min95, Roa96, ALP03, BS98, BLPR13a, CFYT94,
Fat91, dG97, GKZ12, Roa97, Ser12, Zol91, Zol97]. **representatives** [BL00].
represented [CDM⁺11, Str10, Str12b]. **Representing** [BC00]. **research**
[Roy12]. **Residual** [Bus01]. **residue** [KPR⁺10, SS09]. **residues** [CKS12].
resilient [Pan00]. **Resolution**
[Sta90, BS00, GPP91, MS92, Mor06, OS89, Pet91, Tei89]. **resolutions**
[Lec00]. **Resolvent** [GY06, Leh97]. **Resolvents** [Val89, Col97]. **resonance**
[AZZ91]. **resonant** [KR08]. **respect** [Lev07, YL91]. **responses** [CT91].
restricted [LM02]. **restriction** [ARS99]. **result** [Ser89, vH93]. **Resultant**
[EC93, KS95, Bus01, CK02, CK04, CK06, DE01, DE02, DEF13, EP97, EM09,
Kal93, KS97b, LGY11, LYG13, MC91, WEM98]. **resultant-based** [WEM98].
Resultants
[Min06, CK00a, KSY94, KSG04, Leh97, MC92, Min03, Mon05, ZG00]. **results**
[BCR13, Bra89, El 13, Gon86b, LL93, Roy12, Rum10, Ser89, vzGGZ10].
revisited [Dav92, Dum08, PHW13, Zen09]. **rewrite** [Har94, Oka89].
Rewriting [BGK94a, BGK96, AB01b, AW89b, BGJ13, BCF89, ER13, Gla97,
KMO90, Sas86, Wis89]. **Rham** [Sch12]. **Riccati** [KYAH09]. **Riccatti**
[Zha93]. **Richardson** [SVV10]. **Riemann** [BBDP05, uGKO92]. **right**
[LN97]. **rigorous** [BJ10, Rum10]. **Rings**

CCG05, CJK97, EF89, GG89, vdH02, HR03, KFS86, Koe03, Mil89, NF97,
PB90, PR08, Rou10, RRW99, Sch05b, Wat89, YL91, van97]. **server** [LH99].
servers [Fat97]. **set** [BPR98, CCF89, CC93, Cho90, DS03, Gri90b, GL11,
KW90, Lin04, OS04, RV96]. **set-theoretic** [CC93, GL11]. **sets**
[Bod04, CDM+11, DS04, EPW89, KM95, LMS07, PB99, PS06, PV01, Roy12,
Sch02b, Sch09, Str10, Str12b, Bet13]. **several** [KM03, KYZ06, Lev07]. **shape**
[BMMT94, BMMT94]. **Shared** [RW94, RWW94, Wan90, Wan92a].
shared-memory [Wan90, Wan92a]. **Sharp** [DS04]. **Shift**
[Gri96, JKR05, VZ97]. **Shift-Equivalence** [Gri96]. **Shifted** [BLV99].
Shiftless [GGSZ03]. **Shifts** [GL95, GKsL02, LS94, vzGG97]. **short**
[uGKO92]. **shorten** [MR89]. **Shortest** [Rol89, GS98]. **SIAM** [Sin93]. **sided**
[Rei00]. **sign** [CJ89b]. **Signature**
[ASW05, EP11, ER13, MG94, SW11, SWMZ12]. **Signature-based**
[EP11, SWMZ12]. **signum** [JLVR97]. **SIGPLAN** [ACM93]. **SIGSAM**
[Gon89]. **SIMATH** [Zim97]. **similarity** [KKS86]. **Simon** [Doo99]. **Simple**
[Hon92, Kau08, Mül98, RC06, SY11, Sag12, SY12, SS06c, WCD08, Zol91,
Zol97]. **simplicial** [LMMRRR13]. **Simplification**
[Bro89b, Bro98, Le02, PU98, Sas86, Sch02a, Zim95, BBD03, BD02, BS10,
Car04, Fat03, IK91, MP06, kMG97]. **simplifications** [Bro09]. **simplified**
[Ric95]. **simplifier** [Fau90]. **simplifies** [Vol93a, Vol93b]. **simplify** [Ebe10].
simplifying [BBDP04]. **Simultaneous** [DPS13, BL09]. **Simultaneously**
[BBP10, KSW11]. **sine** [BS11a]. **single** [Bro13, FS04, Sch04]. **single-nested**
[Sch04]. **Singular** [CGTW95, KL96b, ST98, BSC+12, BCGY08, Che90a,
CG90a, Hit05, Kal94, KYZ06, LMS13, LM08, MM11, MS00, Tur05, vzG07].
singularities [BS00, SC10, Som94, Tei89, Vol93a, Vol93b]. **singularly**
[Mac99]. **singularly-perturbed** [Mac99]. **six** [KC07]. **Sixth** [Sin93]. **Size**
[Dah09, Coh13, SY12]. **Skeleton** [Bra94]. **skew**
[BCL02, JZXM01, RRM09, Wei92a]. **skewly** [Min06]. **Slave** [BGK96]. **Slice**
[Rou10]. **Small** [KP94b, McC12, Alb12, BCFS91, Bet13, Ebe00, Ebe03,
Ebe10, HE05, KK06, Mar95, Mor95, SY09, SS94, Sho91, SV05]. **small-base**
[Mar95, Mor95, SS94]. **smallest** [Lin04]. **Smith**
[DSV00, EGNS12, Gie95, SW04, Sto96, Vil93, Vil94]. **smooth** [DS03, Du94].
Snowbird [Wan81]. **Socías** [AJL01]. **Software**
[IA98, Kre89, LCJ98, Fuk08, LHK+10, Pur86]. **solid** [LY86]. **soliton** [Hie91].
Solution
[Hub96, KP94b, KYAH09, Ric96, Bro99, CDHJ07, Gat90a, Gat90b, Gat91,
Gie97, Hon92, Kal94, MH95, Rab89, Sto97, Sza11, Vil97, WX05, WR13].
Solutions [BL02, MYT09, PS93a, van96, AK91a, AP94, ABP95, Abr95b,
AZ96, Av97, AB98, AB01a, AK12, AMBSW11, ACJ03, ACFG05, Bar89b,
Bar99, BCB09, BCEW12, BS09a, BCS05, BSC+12, Bou99, BLvH04, CvH09,
CCT04, CMS89, Che90a, CG90a, Coh13, Cor01, DT86, Fat89b, FsG04,
FSK86, Ger98, GEZ13, HR03, JKM13, KvH13, LL04, LMS13, LCW05,
LSYL11, MZ12, Mac99, Man94b, MS00, Oak94, PS93b, Pfl97, RRW99, SU92,
UC90, YZZ13, Zha93, van98, vHY10, vHL10]. **Solvability**

[HM01, Baj86, FFGMGV02, YNT90a]. **solvable** [SWMZ12]. **solve**
[AW89b, Sti89]. **solver** [Cod92, DP07, Mac89, SWY11, TD90, WEM98].
solvers [GSW12]. **Solving** [BR12, BJ98, BFP12, BJS07, BF99, BCF89,
CKY89, CvHL10, Coh13, CGR10, Cuc00, DvHK08, EGG+06, EP98, FR09,
FS12, GC92, GKZ90, GS99, Hie92, Kal90, KMH89, Laz06, LC94, Mai98,
MMM95, MR94, MT00, Rei00, SVV10, Str12b, YC92, vHW05, vH07, Bar10,
BMP98, BGP12, Bro86, DZ05, DET07, DS99, ES12, ER94, EGT10, FMRD08,
Giu09, LCJ98, LMS13, LD90, Mou05, MS99, PZ10, Pur86, Pur89, Roa94,
SD86, Ste97, SZ10, TSD91, VC89, Wei94a, vdW05]. **Some**
[Bra89, CJSW94, LL93, MvV89, Nöc00, RL02, SF90, Vil07b, AZ96, Abr10,
Ast91, BC89a, CC90, CHT+07, Fat03, GS99, Miy07, Pan89, VC89, tW05].
source [BCCG92, Ste08]. **Space** [MR11, Roc09, ARS97, CHT+07, DMR08,
Ebe04, GR01, KM96c, MW01, PO08, SC10]. **Space-** [Roc09].
Space-efficient [MR11, CHT+07]. **Spaces** [Sti93, Bay04, FN97]. **Spain**
[Gut04]. **Sparse** [CKP12, EC93, GL95, KY13, LGY11, LYG13, MF94, RW94,
AIRR10, BCR13, Bis12, DE01, DSV00, EGG+06, EGNS12, EP97, FM11,
GG12, Gie97, GLS98, GLsL06, uGK91, uGKO92, JM07, KY89, KLW90,
KsLL00, KY07, LS94, Maw86, Min03, MP09, RWW94, Vil97, dKMW05].
sparsest [GKsL02]. **Sparsity** [HS02]. **Special** [BS11a, BL02, CKS09, GK05,
WJLL93, Kno86, MS03b, Wei94a, WL93, vzGN99]. **specified** [JM10].
Specifying [LPR99]. **spectral** [KYAH07]. **spectrum** [Str12a]. **speed**
[Nab07]. **speed-up** [Nab07]. **splitting** [ORY09, Ren06, RY08]. **sporadic**
[Mül98]. **Square** [Ahr96, Gil92]. **squares** [GEZ10, KLYZ08, Par04, Sau01].
squaring [Bod10]. **St** [Tra00, BdC09]. **Stability** [GSV91, GV93, WX05,
Cet92, Cha89, GVv92, GVBv94, HS08, MV90, SXZ11, TZ02]. **Stabilization**
[Ste97, TZ02]. **stabilizers** [CFL89]. **Stack** [SRHW94]. **Stack-based**
[SRHW94]. **staggered** [GM86]. **standard** [GPT89, RB91, Zob05].
standards [LH99]. **Star** [Sha99, Coo95b, Coo95a]. **STAR/MPI**
[Coo95b, Coo95a]. **state** [CT91]. **statement** [vzGGZ10]. **stationary** [Pet94].
statistics [CR97, Sul12]. **steady** [CT91, MYT09]. **steady-state** [CT91].
Steering [Kal96]. **steps** [Kal02]. **steps/giant** [Kal02]. **stiff** [Rus92].
stochastic [Cet92, Tsa10]. **Stokes** [GVBv94]. **story** [Kal03]. **straight**
[FIK86]. **straight-line** [FIK86]. **straightening** [Ruf07]. **Strassen**
[Bod10, BDPZ09, GKZ07]. **Strassen-like** [Bod10]. **strata** [Bay04].
strategies [CCC98, GMN+91, Hav91, OS89]. **strategy** [AT94, Cza91].
strategy-accurate [AT94]. **stratified** [CC93]. **Strong** [Oka89, BL90].
Strongly [HMS01, MSW07]. **Strongly-local** [HMS01]. **structural** [Oll89].
Structure [CEMP05, CM95, Ric93, CFFL11, DZ05, EP97, Iva00, LS92,
LRB95, NS06, Oak94, Pan00, PS13, WZ08]. **Structured**
[BB07, Gem07, vdHLS13, FR95, JM10, Nag11, Pan89]. **structures**
[BCM94, BHP07, Har94, HMS01, SSW09]. **student** [Jur01]. **Studies** [SS93].
Study
[AGK96, BGH94, ZB94, AGLM99, CA07, GS90, MSW07, RS12a, SD86].
Sturm [GLRR89a, GLRR89b]. **Sub** [BCR13, PV01]. **Sub-linear** [BCR13].

sub-Pfaffian [PV01]. **subalgebraic** [Nor98a]. **subalgebras** [Lev06].
subdivision [BCGY08, CGR10]. **subdivisions** [Bon97]. **subexponential**
[Gri90b]. **Subexpressions** [DMN94]. **subfields** [vHKN11]. **subgroups**
[But92, CO94, Hul98, HL03, Hul13, KMO92, Mar95, Mor95, Sim97].
sublanguages [CCF89]. **Submersive** [HKL$^+$09]. **submodules** [LSWZ06].
subresultant [GV91a, Gon91a, Lan91, Li98, Man94a, Sas03]. **subresultants**
[BD04, Rei97]. **subroutines** [DGP02]. **subsets** [Cod90]. **substitution**
[Abr93a, Abr93b, Yam90]. **success** [Kal03]. **Succinct** [FM06]. **suffice**
[KC07]. **Sufficiency** [Cor94]. **sugar** [GMN$^+$91]. **Sugarbush** [BP94]. **SUI**
[DW90]. **suited** [Bod10]. **Sum**
[AHY05, KYAH07, KYAH09, Sas01, Sch04, Sch05a]. **Summation**
[HL86, ArRL89, AP05, Abr06, GGSZ03, KS06, KS07, MW94, RL89, Sch04].
summations [Wan91]. **Sums**
[Par04, Abr95a, AP01, CSV13, CZ00, CEMP05, GEZ10, KLYZ08, Le02].
sums-of-squares [KLYZ08]. **super** [BP07]. **super-irreducible** [BP07].
Superalgebras [MZ96]. **superschemes** [Miy07]. **Supersparse**
[KN11, KK05, KK06]. **Support** [CK04, AGLM99, EM09]. **Surface**
[Nam95, vdW06, BLWhW91, GP05, KS11a, Khe02, Sch02a].
Surface-to-Surface [Nam95]. **surfaces**
[AV12, BGJ13, BD07b, DCS05, EGL04, FGPT02, GVT95, HS06, LSWH00,
PDS05, PO08, RV93, Sch98, Sch00, WCD08]. **survey** [BJK$^+$97].
Switzerland [Lak96]. **syllogistics** [CC93]. **Sylow** [But92, Mar95, Mor95].
Sylvester [Kal93, KSG04, ZG00]. **Sylvester-resultants** [KSG04, ZG00].
Symbolic [ArRL89, ACM94, Ano95b, Bac96, Bar10, BK86, BCK99, BH06,
Bro93, Bro07, BHKR95, Cha86b, CM96b, Coo95a, CM95, DG95, Doo99,
Far06, Fat96, GV93, GVBv94, Gat90a, Gat90b, GLsL06, Glo98, Gon89,
GMB01, Gut04, HCGW93, Her97, Hon94, Ida09, IK91, INPS93, Jef08, Jen76,
Juo89, KYAH08, Kau05, KS07, KMG96, KRL93, Küc97, Lak96, LSWH00,
Lev95, Li04, May09, MV90, MCG13, Mor02, Mou01, Nam95, Ng79, RL89,
RVWW05, Roa94, Rup10, Sch04, SE11, Sen03, SW89, SB94, Sti97, Tak94,
Tao90, Tho96, TC89, Tra06, Tra00, Tsa97, Wan81, Wan92b, WN90, Wat91,
Wat10, WB93, WR07, dJ91, vdHvH12, AGLM99, BCLA82, Buc05, CL96,
CCG05, Ces97, Cha90, Coo92, Coo95b, Dal92, DD89a, Dew89, DKS$^+$91,
DK98, DR01, Dye94, Fat97, FGPF89, GVv92, Gat91]. **symbolic**
[Ged86, GG89, GF92, Gon86a, HI93, Har94, Jur86, KZ06, KS06, Kol90,
KM95, LCJ98, LMMRRR13, LY86, Leo86, Li07, LH08, LHK$^+$10, MW05,
MS92, NM90, Nor00, Pai92, PG97, PU98, RGL94, RTZ03, RD05, Rus92,
SWY11, SF90, SS06b, SD86, Sie93, Sza11, TD90, TMH94, Ver04, VF92,
VC89, Vin91, Gia89, Ng79]. **Symbolic-interval** [GMB01].
Symbolic-numeric [GVBv94, GLsL06, RVWW05, Roa94, WR07, CCG05,
GVv92, Gat91, GF92, KZ06, RTZ03, Sza11]. **Symbolic-Numerical**
[GV93, Nam95, MV90, PU98]. **symbolic/numeric** [NM90, RD05, Rus92].
Symmetric [BGL05, SS93, ASW05, AH08, BMW97, FS12, GLV89, GVT95,
HC05, JX07, KS13, Rab89, Val89, vdHLS13]. **symmetrical** [Gat91].

Symmetries [Sch95a, Sch95b, FR09, GKZ91, IK91, LÜ10, LRB95, Wol95].
symmetrizing [Le02]. **symmetry**
[FN97, Gat90a, Gat90b, KF91, Len13, RLBW92, RW00]. **Symposium**
[ACM93, ACM94, AH94, Ano95b, BKLG97, Bro93, Bro07, CL96, Cha86b,
Doo99, Gia89, Glo98, Gon89, Gut04, Hon94, IEE95, Jef08, Jen76, Kau05,
Küc97, Lak96, Lev95, MCG13, Mor02, Mou01, Ng79, SE11, Sen03, Tra06,
Tra00, Wan81, Wan92b, WN90, Wat91, Wat10, vdHvH12, May09]. **Symsac**
[Cha86b, Wan81, Jen76]. **Synchronization** [BR94, DMN94]. **syntactic**
[BSG97]. **synthesis** [Päs09, ST11b, Tiw10, Win89b]. **System**
[GR94, KRS94, KMG96, MMM95, TL94, ACS86, AM90, BS86, BR06, BGJ13,
BL98, CR91, Cha90, CK04, CK06, DR86, DKS⁺91, DK98, DW90, DR01,
Edn97, ES12, ER94, Fat96, Fit90, FS04, FIK86, FSK86, GMS90, GS90,
GT09, Gri89, Gri90a, GL91, HR03, Jac94, Jur01, KR08, Kor01, KM89,
LHJ92, LK90, LS03, MH97, Mou05, MS99, NT92, Oak94, Oka89, Pur86,
RLZ86, San93, SWY11, Sch91a, Sey86, TMH94, TD89, TSD91, Zim97].
Systematic [KK91, OS91]. **Systems**
[BR94, Coo95a, CGTW95, CM95, DG95, Edn93, EG07, IEE95, KP94b, KRL93,
Kol90, Ste96, Zim93, AB98, AB01a, AK12, AMBSW11, Bar89a, BP98, BP07,
BBP08, BCB09, Bar10, BBP10, BR12, BCL97, BL12, BFP12, BMP98, BJS07,
BLPR13a, BLPR13b, BHP07, Bro86, BLW05, BCF89, CL96, CKY89, Cet92,
Che90a, CG90a, CDS91, CD99, CDM⁺10, CM11, CGY07, CGL09, CKS09,
Clu03, Coo95b, CGT97, CBdCD97, Cuc00, DE01, DZ05, DET07, DKLM98,
EGG⁺06, EM09, Fat90, Fat91, FR09, FMRD08, FS12, FEV13, GMS90, GC92,
GY06, Gat90a, Gat90b, Gat91, GZ90, GKZ90, GR10, Gie97, GLS98, GS99,
Gon86a, HKL⁺09, HI93, HW86, Hub04, Kaj92, Kal90, Kal94, KSW10, KSW11,
KR93, KPR⁺10, KK91, KMH89, KMO90, Lau03, LMS13, LÜ10, LM08].
systems
[LD11, jL90, MZ12, Mai98, MM11, Mar91, Maz06, MYT09, MK99, Mor06,
MS00, Nab07, Pet91, Pfl08, Pfl97, RB91, RVWW05, Rei00, Ric96, RER09,
RD05, RB06, Rus92, RRW99, SXZ11, Sit91, SS86, Sta90, Ste97, ST98, Str12b,
Sza11, Tiw10, Tou05, Tsa05, Tsa10, Vil97, WX05, WR13, YZZ13, Yok04, dJ91].
syzygies [BD07b, CD11, MMT92].

tableau [MR90]. **tableaux** [MR89]. **Tables**
[Thu96a, Col97, EF95, Fat89a, Thü96b]. **tadpoles** [KC09]. **talk** [Ida09].
tame [Str09]. **Tangent** [CK96]. **Tangent-Secant** [CK96]. **Tarski** [Bro09].
Taylor [JKR05, vzGG97]. **Technique** [CT96, Zim93]. **techniques**
[ARS99, AW89b, BC89a, Coo92, DMS⁺05, EF95, FLMS06, MC91, MS92,
Sch02b, TD90, Wis89]. **technology** [HLY86]. **Telescopers** [CKS12, Sch05a].
telescoping [BCCL10, BLS13, BCC⁺13, CK12]. **Tellegen** [BLS03]. **Tensor**
[KMG96, Zol97, CCG05, Cha03, EPB97, IK91, kMG97]. **tensor-product**
[CCG05]. **Term**
[BGK94a, BGK96, Wei93a, BGJ13, Lev07, Oka89, Wei93b, Bün91].
Term-Orders [Wei93a, Wei93b]. **Termination**

HK04, KK08, KS11a, LM08, Mai98, MB09, OW05, RB06]. **two-dimensional**
[Mai98]. **TX** [BKLG97]. **type**
[AM90, BL98, LÜ10, San93, Sat98, Web94a, tW05, vHY10]. **typed** [Oka89].
typeset [BF94]. **typesetting** [Soi95].

UFD [HK04]. **Ukraine** [Bro93]. **unbalanced** [Zan10]. **uncoupling**
[BCdP13]. **undamped** [CT91]. **undecidable** [Abr10]. **undergraduate**
[CGG⁺86]. **Understanding** [Car04, SD86]. **Uniform**
[Bas97, PW06, NS06, Wu93]. **uniformity** [Wei97]. **uniformization** [SS95].
unimodularity [PS12]. **uniqueness** [RRW99]. **Unirational** [GRS01]. **unit**
[SZ91]. **unitary** [ASW05]. **United** [ACM94]. **units** [RSV04]. **Unity**
[YLN95, GK12]. **Univariate** [PB90, Pan01, ST11a, ST12, BLPR13a, GG12,
LS94, Ter09, TW91, Wan90, Wan92a, Zen09, vH13, vzG09]. **universal**
[LS12]. **Université** [Mor02]. **University**
[Bro07, Doo99, Glo98, Gut04, Mou01, Sen03, Tra00]. **Unleashing** [Dev89].
unmixed [FES12]. **unnested** [Sme90]. **unsolvable** [Cod90]. **unspecified**
[KS06, Raa13]. **update** [Wol13]. **Upper** [Koi12, BG07, Kal93]. **US/Japan**
[HI93]. **USA** [Ait95, HI93, Küc97, MCG13, SE11, Sen03]. **Usage**
[KR86, BL91]. **use** [Hie92, VC89, Wei94a]. **used** [BC89a, CDS89]. **user**
[BC89b, DW90, LHJ92, Leo86, SS86]. **Using**
[AW89b, Bra94, Dat03, Dew92, DG95, Gri96, KS11a, KMG96, AC04, BBDP05,
BBCM11, BLS13, BGL05, BCF89, BM05, BP94, CvHL10, Cho90, CK00a,
Coo92, CFT95, CT96, CG01, CSU00, CG92, DCS05, EGG⁺07, Fat03, FR09,
FES10, Fee90, For01, GG89, Gil92, GVT95, GEZ10, HS06, HL86, vdH03,
IK91, Joh92, JK97, Kal90, KYAH07, KYAH09, Kap86, KSY94, KN07, KS86,
LCJ98, LÜ10, Maw86, MMS07, Miy00, MMT92, MP09, MSV09, MBC92,
RB91, Rum10, Sha89a, Sha07, Sie93, SKCL12, ST11b, SS06c, Tou05, dGW99].
Uspensky [Akr86]. **usually** [BC89a]. **Utah** [Wan81].

VA [Sin93]. **valence** [DSV00]. **valid** [Jef93]. **valuations** [AK12]. **Value**
[CGTW95, BGP12, FT03]. **values** [BS11a, CKP12, GEZ10, KY13].
Vancouver [Doo99]. **Vandermonde** [BJS07]. **Vandermonde-like** [BJS07].
variable [AIRR10]. **variables**
[BF03, Chè04, EG07, HK04, KM03, Kau04, RB06]. **Variant**
[HD09, Kai94, Kal02]. **variate** [YNT90b]. **variation** [CJ89b]. **variations**
[Cor94]. **varieties** [AC04, DS03, MB09]. **variety**
[ALM09, EM99, FMRD08, GL11, Lec00]. **Various** [KS95]. **varying** [Cet92].
Vector [BS11b, DG95, Sti93, CGZ93, GT94b]. **Vectorisation** [HCB94].
vectors [GV00]. **Vegas** [KVY89]. **Verification**
[HP89, Rum10, ST11b, GR10, Tiw10]. **Verified** [YZZ13]. **version**
[Bar95, BC89b]. **vertex** [Bur11b]. **very** [CR03, Zan10]. **Vessiot** [BLW05].
via [BP07, BRS09, BD07b, CCG05, Cha03, CDS91, CMXY09, CKS12,
DSV00, Enc97b, GKM⁺04, GKsL02, GHS00, HKZ10, KLYZ08, KW90,
LYZ10, LI00, MZ11, MZ12, SGL04]. **viable** [Ste08]. **vicinity** [AZZ91]. **view**

[Buc05, CSV13, DGT91, HM01]. **viewpoint** [Cuc00, Sek08]. **Virtual** [BG11]. **vision** [MM97]. **vortices** [FS12].

Walk [Tra98]. **was** [vzG06]. **Waterloo** [Bro07, Cha86b]. **weak** [Sta90]. **weakly** [FNM86]. **WEB** [Kre89, WKZZ03]. **WEB/Modula** [Kre89]. **WEB/Modula-2** [Kre89]. **Weierstrass** [Rua01, van95]. **weight** [KR86]. **Weinstein** [Koe03]. **Western** [Mou01]. **whether** [FFdlAGM00, Gri90b]. **which** [AuK93, GKZ90, GV00, MH01]. **white-box** [BS10]. **Who** [vzG06]. **Wiedemann** [Tho01, Tur06, Vil97]. **Winograd** [BDPZ09]. **without** [CGK⁺13, Fau02, Kal92, Leh97, MR11, vdW06]. **witness** [GRA00]. **Witt** [Juo89]. **WME** [WKZZ03]. **word** [AW89b, Hol00, KMO90]. **word-hyperbolic** [Hol00]. **words** [Abd89, GS06]. **Working** [GV91b, Gon91b]. **Workshop** [BGY96, Her97, FR95, HI93]. **worst** [FH97]. **worst-case** [FH97]. **Wrap** [Kes94]. **Wu** [MW05, Szá97].

XIV [CCF89]. **Xne** [FSK86].

Y.M. [BC92]. **Yang** [Hie92, OS91]. **year** [Wol13]. **years** [BW98]. **York** [Jen76]. **Yorktown** [Jen76].

Zeilberger [Abr02, IK12]. **Zero** [Ric93, Ste96, BY09, CGY07, CGT97, Dah09, Fau02, FM11, GT09, vdH02, LST02, Ric95, Sas01, Sek08, dJ91]. **zero-dimensional** [BY09, CGY07, CGT97, Dah09, FM11, GT09, LST02]. **zero-sum** [Sas01]. **zero-test** [vdH02]. **zeros** [CGY07, jL90, MM11, MK99, PR06, SS06a]. **Zippel** [KsLL00]. **Zolotarev** [Laz06]. **Zurich** [Lak96].

References

Abhyankar:1989:CAC

[AB89]   S. S. Abhyankar and C. L. Bajaj. Computations with algebraic curves. In Gianni [Gia89], pages 274–284. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Abramov:1998:RSF

[AB98]   S. A. Abramov and M. A. Barkatou. Rational solutions of first order linear difference systems. In Gloor [Glo98], pages 124–131. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL http://www.acm.org/pubs/citations/proceedings/issac/281508/p124-abramov/.

Abramov:2000:HDO

[AB00]   Sergei A. Abramov and Manuel Bronstein. Hypergeometric dispersion and the orbit problem. In Traverso [Tra00], pages 8–13. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL http://www.acm.org/pubs/articles/proceedings/issac/ 345542/p8-abramov/p8-abramov.pdf; http://www.acm. org/pubs/citations/proceedings/issac/345542/p8-abramov/ . ACM order number 505000.

Abramov:2001:SLF

[AB01a]   Sergei A. Abramov and Manuel Bronstein. On solutions of linear functional systems. In Mourrain [Mou01], pages 1–6. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Armando:2001:MEP

[AB01b]   Alessandro Armando and Clemens Ballarin. Maple's evaluation process as constraint contextual rewriting. In Mourrain [Mou01], pages 32–37. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Abbot:1989:RAN

[Abb89a]   J. Abbot. Recovery of algebraic numbers from their p-adic approximations. In Gonnet [Gon89], pages 112–120. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. ACM order number: 505890. English and French.

Abbott:1989:RAN

[Abb89b]   John Abbott. Recovery of algebraic numbers from their p-adic approximations. In Gonnet [Gon89], pages 112–120. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL http://www.acm.org:80/pubs/citations/ proceedings/issac/74540/p112-abbott/. ACM order number: 505890. English and French.

Abbott:1986:BAN

[ABD86]   J. A. Abbott, R. J. Bradford, and J. H. Davenport. The Bath algebraic number package. In Char [Cha86b], pages 250–253. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL http://www.acm.org:80/pubs/citations/ proceedings/issac/32439/p250-abbott/. ACM order no. 505860.

Abdulrab:1989:EW

[Abd89]   H. Abdulrab. Equations in words. In Gianni [Gia89], pages 508–520. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Aberer:1990:NFF

[Abe90]   K. Aberer.   Normal forms in function fields.   In Watanabe and Nagata [WN90], pages 1–7.   ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL http://www.acm.org:80/pubs/citations/ proceedings/issac/96877/p1-aberer/.

Avitzur:1995:HIP

[ABK95]   Ron Avitzur, Olaf Bachmann, and Norbert Kajler. From honest to intelligent plotting. In Levelt [Lev95], pages 32–41. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL http://www. acm.org:80/pubs/citations/proceedings/issac/220346/ p32-avitzur/. ACM order number: 505950.

Abbott:1999:FDC

[ABM99]   John Abbott, Manuel Bronstein, and Thom Mulders.   Fast deterministic computation of determinants of dense matrices. In Dooley [Doo99], pages 197–204. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL http://www.acm.org/pubs/ contents/proceedings/issac/309831/.

Andreoli:1994:CKB

[ABP94]   J.-M. Andreoli, U. M. Borghoff, and R. Pareschi. Constraint-based knowledge brokers. In Hong [Hon94], pages 1–11. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Abramov:1995:PSL

[ABP95]   Sergei A. Abramov, Manuel Bronstein, and Marko Petkovšek. On polynomial solutions of linear operator equations. In Levelt [Lev95], pages 290–296. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995.   URL http://www.acm.org:80/pubs/citations/ proceedings/issac/220346/p290-abramov/.   ACM   order number: 505950.

Abramov:1993:DS

[Abr93a]   S. A. Abramov.   On d'Alembert substitution.   In Bronstein [Bro93], pages 20–26. ISBN 0-89791-604-2. LCCN QA 76.95

I59 1993. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p20-abramov/`. ACM order number: 505930.

Abramov:1993:DSP

[Abr93b]   S. A. Abramov. On d'Alembert substitution. In Bronstein [Bro93], pages 20–26. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. ACM order number: 505930.

Abramov:1995:ISR

[Abr95a]   S. A. Abramov. Indefinite sums of rational functions. In Levelt [Lev95], pages 303–308. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p303-abramov/`. ACM order number: 505950.

Abramov:1995:RSL

[Abr95b]   S. A. Abramov. Rational solutions of linear difference and q-difference equations with polynomial coefficients. In Levelt [Lev95], pages 285–289. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p285-abramov/`. ACM order number: 505950.

Abramov:2002:AZA

[Abr02]   S. A. Abramov. Applicability of Zeilberger's algorithm to hypergeometric terms. In Mora [Mor02], pages 1–7. ISBN 1-58113-484-3. LCCN QA76.95. URL `http://www.lifl.fr/ISSAC2002/`.

Abramov:2006:SRS

[Abr06]   S. A. Abramov. On the summation of P-recursive sequences. In Trager [Tra06], pages 17–22. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Abramov:2008:PSL

[Abr08]   Sergei A. Abramov. Power series and linear difference equations. In Jeffrey [Jef08], pages 1–2. ISBN 1-59593-904-0. LCCN ????

Abramov:2010:SDU

[Abr10]   S. A. Abramov. On some decidable and undecidable problems related to q-difference equations with parameters. In Watt [Wat10], pages 311–317. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Abate:1997:ADS

[ABRC97] Jason Abate, Christian Bischof, Lucas Roh, and Alan Carle. Algorithms and design for a second-order automatic differentiation module. In Küchlin [Küc97], pages 149–155. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p149-abate/.

Aruliah:2004:NPA

[AC04] D. A. Aruliah and Robert M. Corless. Numerical parameterization of affine varieties using. In Gutierrez [Gut04], pages 12–18. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Aroca:2005:AGS

[ACFG05] J. M. Aroca, J. Cano, R. Feng, and X. S. Gao. Algebraic general solutions of algebraic ordinary differential equations. In Kauers [Kau05], pages 29–36. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Aroca:2003:PSS

[ACJ03] F. Aroca, J. Cano, and F. Jung. Power series solutions for nonlinear PDE's. In Senda [Sen03], pages 15–22. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

ACM:1993:PFA

[ACM93] ACM, editor. *Proceedings of the Fourth ACM SIGPLAN Symposium on Principles and Practice of Parallel Programming, PPOPP: San Diego, California, May 19–22, 1993*, volume 28(7) of *ACM SIGPLAN Notices*. ACM Press, New York, NY 10036, USA, 1993. ISBN 0-89791-589-5. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic). LCCN QA76.642.A27 1993.

ACM:1994:IPI

[ACM94] ACM, editor. *ISSAC '94: Proceedings of the 1994 International Symposium on Symbolic and Algebraic Computation: July 20–22, 1994, Oxford, England, United Kingdom*. ACM Press, New York, NY 10036, USA, 1994. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994.

Abdali:1986:OOA

[ACS86] S. K. Abdali, Guy W. Cherry, and Neil Soiffer. An object-oriented approach to algebra system design. In Char [Cha86b],

pages 24–30. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p24-abdali/`. ACM order no. 505860.

Ananth:2011:BBD

[AD11] Prabhanjan Vijendra Ananth and Ambedkar Dukkipati. Border basis detection is NP-complete. In Schost and Emiris [SE11], pages 11–18. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Adamchik:1997:CLI

[Ada97] Victor Adamchik. A class of logarithmic integrals. In Küchlin [Küc97], pages 1–8. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p1-adamchik/`.

Adamchik:2001:BF

[Ada01] V. S. Adamchik. On the Barnes function. In Mourrain [Mou01], pages 15–20. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Arsac:1999:DCC

[ADG99] Olivier Arsac, Stéphane Dalmas, and Marc Gaétano. Design of a customizable component to display and edit formulas. In Dooley [Doo99], pages 283–290. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL `http://www.acm.org/pubs/contents/proceedings/issac/309831/`.

Arnborg:1986:ADR

[AF86] S. Arnborg and H. Feng. Algebraic decomposition of regular curves. In Char [Cha86b], pages 53–55. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p53-arnborg/`. ACM order no. 505860.

Amrhein:1996:CSM

[AGK96] Beatrice Amrhein, Oliver Gloor, and Wolfgang Küchlin. A case study of multi-threaded Gröbner basis completion. In Lakshman Y. N. [Lak96], pages 95–102. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p95-amrhein/`.

Adams:1999:ATP

[AGLM99] A. A. Adams, H. Gottliebsen, S. A. Linton, and U. Martin. Automated theorem proving in support of computer algebra: symbolic definite integration as a case study. In Dooley [Doo99], pages 253–260. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL http://www.acm.org/pubs/contents/proceedings/issac/309831/.

Adleman:1994:ANT

[AH94] L. M. Adleman and M.-D. Huang, editors. *Algorithmic Number Theory. First International Symposium, ANTS-I. Proceedings.* Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1994. ISBN 0-387-58691-1 (New York), 3-540-58691-1 (Berlin). LCCN QA241.A43 1994.

Aschenbrenner:2008:AFS

[AH08] Matthias Aschenbrenner and Christopher J. Hillar. An algorithm for finding symmetric Gröbner bases in infinite dimensional rings. In Jeffrey [Jef08], pages 117–124. ISBN 1-59593-904-0. LCCN ????

Ahrendt:1996:FHC

[Ahr96] Timm Ahrendt. Fast high-precision computations of complex square roots. In Lakshman Y. N. [Lak96], pages 142–149. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p142-ahrendt/.

Anai:2005:SRP

[AHY05] Hirokazu Anai, Shinji Hara, and Kazuhiro Yokoyama. Sum of roots with positive real parts. In Kauers [Kau05], pages 21–28. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Avendano:2010:RNC

[AIRR10] Martín Avendaño, Ashraf Ibrahim, J. Maurice Rojas, and Korben Rusek. Randomized NP-completeness for p-adic rational roots of sparse polynomials in one variable. In Watt [Wat10], pages 331–338. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Aityan:1995:PNP

[Ait95] S. K. Aityan, editor. *Proceedings of neural, parallel and scientific computations: proceedings of the First International Conference on Neural, Parallel and Scientific Computations held at*

Morehouse College, Atlanta, USA, May 28–31, 1995, volume 1 of *Proceedings of Neural Parallel and Scientific Computations.* Dynamic Publishers, Inc, Atlanta, GA, 1995. ISBN 0-9640398-9-3, 0-9640398-8-5. LCCN QA76.87 .I58 1995.

Aguirre:2001:GIM

[AJL01]   Edith Aguirre, Abdul Salam Jarrah, and Reinhard Laubenbacher. Generic ideals and Moreno-Socías conjecture. In Mourrain [Mou01], pages 21–23. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Abramov:1991:FAS

[AK91a]   S. A. Abramov and K. Yu. Kvashenko. Fast algorithms to search for the rational solutions of linear differential equations with polynomial coefficients. In Watt [Wat91], pages 267–270. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p267-abramov/.

Apel:1991:FAA

[AK91b]   Joachim Apel and Uwe Klaus. FELIX: an assistant for algebraists. In Watt [Wat91], pages 382–389. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p382-apel/.

Abramov:2012:VMS

[AK12]   S. A. Abramov and D. E. Khmelnov. On valuations of meromorphic solutions of arbitrary-order linear difference systems with polynomial coefficients. In van der Hoeven and van Hoeij [vdHvH12], pages 12–19. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Akritis:1986:TNU

[Akr86]   Alkiviadis G. Akritis. There is no "Uspensky's method". In Char [Cha86b], pages 88–90. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p88-akritis/. ACM order no. 505860.

Antritter:2008:TCA

[AL08]   Felix Antritter and Jean Lévine. Towards a computer algebraic algorithm for flat output determination. In Jeffrey [Jef08], pages 7–14. ISBN 1-59593-904-0. LCCN ????

Albrecht:2012:MLD

[Alb12]   Martin R. Albrecht. The M4RIE library for dense linear algebra over small fields with even characteristic. In van der Hoeven and van Hoeij [vdHvH12], pages 28–34. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Andres:2009:PIB

[ALM09]   Daniel Andres, Viktor Levandovskyy, and Jorge Martìn Morales. Principal intersection and Bernstein–Sato polynomial of an affine variety. In May [May09], pages 231–238. ISBN 1-60558-609-9. LCCN ????

Abramov:2003:RCF

[ALP03]   S. A. Abramov, H. Q. Le, and M. Petkovšek. Rational canonical forms and efficient representations of hypergeometric terms. In Senda [Sen03], pages 7–14. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Adamchik:1990:ACI

[AM90]   V. S. Adamchik and O. I. Marichev. The algorithm for calculating integrals of hypergeometric type functions and its realization in REDUCE system. In Watanabe and Nagata [WN90], pages 212–224. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p212-adamchik/.

Aparicio-Monforte:2011:FFI

[AMBSW11]   Ainhoa Aparicio-Monforte, Moulay A. Barkatou, Sergi Simon, and Jacques-Arthur Weil. Formal first integrals along solutions of differential systems I. In Schost and Emiris [SE11], pages 19–26. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Alonso:1989:CAS

[AMR89]   M. E. Alonso, T. Mora, and M. Raimondo. Computing with algebraic series. In Gonnet [Gon89], pages 101–111. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p101-alonso/. ACM order number: 505890. English and French.

Achatz:2008:DPE

[AMW08] Melanie Achatz, Scott McCallum, and Volker Weispfenning. Deciding polynomial-exponential problems. In Jeffrey [Jef08], pages 215–222. ISBN 1-59593-904-0. LCCN ????

Anonymous:1995:IA

[Ano95a] Anonymous. ISSAC '95: Announcement. *ACM SIGNUM Newsletter*, 30(2):12–??, 1995. CODEN SNEWD6. ISSN 0163-5778 (print), 1558-0237 (electronic).

Anonymous:1995:IIS

[Ano95b] Anonymous. ISSAC '96: International Symposium on Symbolic and Algebraic Computation. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 29 (3&4):19, December 1995. CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

Abramov:1994:DSL

[AP94] Sergei A. Abramov and Marko Petkovšek. D'Alembertian solutions of linear differential and difference equations. In ACM [ACM94], pages 169–174. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p169-abramov/.

Abramov:2001:MDI

[AP01] Sergei A. Abramov and M. Petkovsek. Minimal decomposition of indefinite hypergeometric sums. In Mourrain [Mou01], pages 7–14. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Abramov:2005:GAA

[AP05] S. A. Abramov and M. Petkovšsek. Gosper's algorithm, accurate summation, and the discrete Newton–Leibniz formula. In Kauers [Kau05], pages 5–12. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Abo:2006:IKC

[AP06] Hirotachi Abo and Chris Peterson. Implementation of Kumar's correspondence. In Trager [Tra06], pages 9–16. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Arnborg:1989:EPO

[Arn89]   S. Arnborg. Experiments with a projection operator for algebraic decomposition. In Gianni [Gia89], pages 177–182. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Arnold:2013:NTF

[Arn13]   Andrew Arnold. A new truncated Fourier Transform algorithm. In Monagan et al. [MCG13], pages 15–22. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

A:1989:SSG

[ArRL89]   R. A., J. r. Ravenscroft, and E. A. Lamagna. Symbolic summation with generating functions. In Gonnet [Gon89], pages 228–233. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL http://www.acm.org:80/pubs/citations/ proceedings/issac/74540/p228-ravenscroft/. ACM order number: 505890. English and French.

Andradas:1997:ROR

[ARS97]   Carlos Andradas, Tomás Recio, and J. Rafael Sendra. A relatively optimal rational space curve reparametrization algorithm through canonical divisors. In Küchlin [Küc97], pages 349–355. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm. org:80/pubs/citations/proceedings/issac/258726/p349- andradas/.

Andradas:1999:BFR

[ARS99]   Carlos Andradas, Taomás Recio, and J. Refael Sendra. Base field restriction techniques for parametric curves. In Dooley [Doo99], pages 17–22. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL http://www.acm.org/pubs/contents/ proceedings/issac/309831/.

Ausiello:1989:DMP

[ASN89]   G. Ausiello, A. Marchetti Spaccamela, and U. Nanni. Dynamic maintenance of paths and path expressions on graphs. In Gianni [Gia89], pages 1–12. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Astrelin:1991:BDI

[Ast91]   A. V. Astrelin. A bound of degree of irreducible eigen-polynomial of some differential operator. In Watt [Wat91],

pages 265–266. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/ proceedings/issac/120694/p265-astrelin/.

Adams:2005:SSR

[ASW05] Jeffrey Adams, B. David Saunders, and Zhendong Wan. Signature of symmetric rational matrices and the unitary dual of Lie groups. In Kauers [Kau05], pages 13–20. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Abbott:2000:FSP

[ASZ00] John Abbott, Victor Shoup, and Paul Zimmermann. Factorization in $\mathbf{Z}[x]$: the searching phase. In Traverso [Tra00], pages 1–7. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL http:// /www.acm.org/pubs/articles/proceedings/issac/345542/ p1-abbott/p1-abbott.pdf; http://www.acm.org/pubs/ citations/proceedings/issac/345542/p1-abbott/. ACM order number 505000.

Attardi:1994:SPB

[AT94] G. Attardi and C. Traverso. A strategy-accurate parallel Buchberger algorithm. In Hong [Hon94], pages 12–21. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Abramov:1993:GCD

[AuK93] S. A. Abramov and K. Y. u. Kvashenko. On the greatest common divisor of polynomials which depend on a parameter. In Bronstein [Bro93], pages 152–156. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL http://www.acm. org:80/pubs/citations/proceedings/issac/164081/p152-abramov/. ACM order number: 505930.

Abramov:1997:MIS

[Av97] Sergei A. Abramov and Mark van Hoeij. A method for the integration of solutions of Øre equations. In Küchlin [Küc97], pages 172–175. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/ proceedings/issac/258726/p172-abramov/.

Adrovic:2012:CPS

[AV12] Danko Adrovic and Jan Verschelde. Computing Puiseux series for algebraic surfaces. In van der Hoeven and van Hoeij [vdHvH12], pages 20–27. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Abramov:1999:DLD

[AvH99]   Sergei A. Abramov and Mark van Hoeij. Desingulariza-
tion of linear difference operators with polynomial coefficients.
In Dooley [Doo99], pages 269–275. ISBN 1-58113-073-2.
LCCN QA76.95 .I57 1999. URL http://www.acm.org/pubs/
contents/proceedings/issac/309831/.

Abdali:1989:EQR

[AW89a]   S. K. Abdali and D. S. Wiset. Experiments with quadtree rep-
resentation of matrices. In Gianni [Gia89], pages 96–108. ISBN
3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held
jointly with AAECC-6.

Avenhaus:1989:URT

[AW89b]   J. Avenhaus and D. Wißmann. Using rewriting techniques
to solve the generalized word problem in polycyclic groups.
In Gonnet [Gon89], pages 322–337. ISBN 0-89791-325-6.
LCCN QA76.95.I59 1989. US$29.00. URL http://www.acm.
org:80/pubs/citations/proceedings/issac/74540/p322-
avenhaus/. ACM order number: 505890. English and French.

Anai:2000:DLT

[AW00]   Hirokazu Anai and Volker Weispfenning. Deciding linear-
trigonometric problems. In Traverso [Tra00], pages 14–
22. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL
http://www.acm.org/pubs/articles/proceedings/issac/
345542/p14-anai/p14-anai.pdf; http://www.acm.org/
pubs/citations/proceedings/issac/345542/p14-anai/. ACM
order number 505000.

Abramov:1996:DSI

[AZ96]   Sergei A. Abramov and Eugene V. Zima. D'Alembertian so-
lutions of inhomogeneous linear equations (differential, dif-
ference, and some other). In Lakshman Y. N. [Lak96],
pages 232–240. ISBN 0-89791-796-0. LCCN QA 76.95
I59 1996. URL http://www.acm.org:80/pubs/citations/
proceedings/issac/236869/p232-abramov/.

Abramov:1997:MCF

[AZ97]   Sergei A. Abramov and Eugene V. Zima. Minimal completely
factorable annihilators. In Küchlin [Küc97], pages 290–297.

ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p290-abramov/`.

Amirkhanov:1991:BOV

[AZZ91]   I. V. Amirkhanov, E. P. Zhidkov, and I. E. Zhidkova. The betatron oscillations in the vicinity of nonlinear resonance in cyclic accelerator investigation. In Watt [Wat91], pages 452–453. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p452-amirkhanov/`.

Bacher:1996:AGO

[Bac96]   Rainer Bacher. Automatic generation of optimization code based on symbolic non-linear domain formulation. In Lakshman Y. N. [Lak96], pages 283–291. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p283-bacher/`.

Baddoura:1994:CIF

[Bad94]   Jamil Baddoura. A conjecture on integration in finite terms with elementary functions and polylogarithms. In ACM [ACM94], pages 158–162. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p158-baddoura/`.

Binder:2000:ANR

[BAE⁺00]   Franz Binder, Erhard Aichinger, Jürgen Ecker, Christof Nöbauer, and Peter Mayr. Algorithms for near-rings of non-linear transformations. In Traverso [Tra00], pages 23–29. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL `http://www.acm.org/pubs/articles/proceedings/issac/345542/p23-binder/p23-binder.pdf`; `http://www.acm.org/pubs/citations/proceedings/issac/345542/p23-binder/`. ACM order number 505000.

Bajaj:1986:LAS

[Baj86]   Chanderjit Bajaj. Limitations to algorithm solvability: Galois methods and models of computation. In Char [Cha86b], pages 71–76. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p71-bajaj/`. ACM order no. 505860.

Barkatou:1989:RLS

[Bar89a]   M. A. Barkatou. On the reduction of linear systems of difference equations. In Gonnet [Gon89], pages 1–6. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p1-barkatou/`▐. ACM order number: 505890. English and French.

Barkatou:1989:RNA

[Bar89b]   M. A. Barkatou. Rational Newton algorithm for computing formal solutions of linear differential equations. In Gianni [Gia89], pages 183–195. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Barkatou:1995:RVM

[Bar95]   A. Barkatou. A rational version of Moser's algorithm. In Levelt [Lev95], pages 297–302. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p297-barkatou/`. ACM order number: 505950.

Barkatou:1999:RSM

[Bar99]   M. A. Barkatou. Rational solutions of matrix difference equations: the problem of equivalence and factorization. In Dooley [Doo99], pages 277–282. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL `http://www.acm.org/pubs/contents/proceedings/issac/309831/`.

Barnett:2003:CCA

[Bar03]   Michael P. Barnett. Chemistry and computer algebra: past, present, future. In Senda [Sen03], pages 1–2. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Barkatou:2010:SMS

[Bar10]   Moulay A. Barkatou. Symbolic methods for solving systems of linear ordinary differential equations. In Watt [Wat10], pages 7–8. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Basu:1997:UQE

[Bas97]   Saugata Basu. Uniform quantifier elimination and constraint query processing. In Küchlin [Küc97], pages 21–27. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p21-basu/`.

Bayer:2004:ODO

[Bay04] Thomas Bayer. Optimal descriptions of orbit spaces and strata of finite groups. In Gutierrez [Gut04], pages 19–26. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Bini:2007:SMB

[BB07] Dario A. Bini and Paola Boito. Structured matrix-based methods for polynomial $\in$-gcd: analysis and comparisons. In Brown [Bro07], pages 9–16. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Bernardi:2011:MPD

[BBCM11] Alessandra Bernardi, Jérôme Brachat, Pierre Comon, and Bernard Mourrain. Multihomogeneous polynomial decomposition using moment matrices. In Schost and Emiris [SE11], pages 35–42. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Beaumont:2003:BSE

[BBD03] James Beaumont, Russell Bradford, and James H. Davenport. Better simplification of elementary functions through power series. In Senda [Sen03], pages 30–36. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Beaumont:2004:PAA

[BBDP04] James C. Beaumont, Russell J. Bradford, James H. Davenport, and Nalina Phisanbut. A poly-algorithmic approach to simplifying elementary functions. In Gutierrez [Gut04], pages 27–34. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Beaumont:2005:ABT

[BBDP05] James C. Beaumont, Russell J. Bradford, James H. Davenport, and Nalina Phisanbut. Adherence is better than adjacency: computing the Riemann index using CAD. In Kauers [Kau05], pages 37–44. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Barkatou:2008:RSL

[BBP08] Moulay A. Barkatou, Gary Broughton, and Eckhard Pflügel. Regular systems of linear functional equations and applications. In Jeffrey [Jef08], pages 15–22. ISBN 1-59593-904-0. LCCN ????

Barkatou:2010:SRC

[BBP10] Moulay A. Barkatou, Carole El Bacha, and Eckhard Pflügel. Simultaneously row- and column-reduced higher-order linear differential systems. In Watt [Wat10], pages 45–52. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Babai:1993:DFM

[BBR93] László Babai, Robert Beals, and Daniel Rockmore. Deciding finiteness of matrix groups in deterministic polynomial time. In Bronstein [Bro93], pages 117–126. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p117-babai/`. ACM order number: 505930.

BoydelaTour:1989:FAS

[BC89a] T. Boy de la Tour and R. Caferra. A formal approach to some usually informal techniques used in mathematical reasoning. In Gianni [Gia89], pages 402–406. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Butler:1989:CVU

[BC89b] G. Butler and J. Cannon. Cayley, version 4: the user language. In Gianni [Gia89], pages 456–466. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Burnel:1992:CCY

[BC92] A. Burnel and H. Caprasse. The computation of 1-loop contributions in Y.M. theories with class III nonrelativistic gauges and REDUCE. In Wang [Wan92b], pages 103–107. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p103-burnel/`. ACM order number: 505920.

Barendegt:2000:RHM

[BC00] Henk Barendegt and Arjeh M. Cohen. Representing and handling mathematical concepts by humans and machines. In Traverso [Tra00], pages 6–?? ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL `http://www.acm.org/pubs/citations/proceedings/issac/345542/p6-barendegt/`. ACM order number 505000.

Barkatou:2009:ARS

[BCB09]   Moulay A. Barkatou, Thomas Cluzeau, and Carole El Bacha. Algorithms for regular solutions of higher-order linear differential systems. In May [May09], pages 7–14. ISBN 1-60558-609-9. LCCN ????

Bostan:2013:HRC

[BCC+13]   Alin Bostan, Shaoshi Chen, Frédéric Chyzak, Ziming Li, and Guoce Xin. Hermite reduction and creative telescoping for hyperexponential functions. In Monagan et al. [MCG13], pages 77–84. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Bischof:1992:AAD

[BCCG92]   Christian Bischof, Alan Carle, George Corliss, and Andreas Griewank. ADIFOR: Automatic differentiation in a source translator environment. In Wang [Wan92b], pages 294–302. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL `http://www.acm. org:80/pubs/citations/proceedings/issac/143242/p294- bischof/`. ACM order number: 505920.

Bostan:2010:CCT

[BCCL10]   Alin Bostan, Shaoshi Chen, Frédéric Chyzak, and Ziming Li. Complexity of creative telescoping for bivariate rational functions. In Watt [Wat10], pages 203–210. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Bostan:2013:CET

[BCdP13]   Alin Bostan, Frédéric Chyzak, and Élie de Panafieu. Complexity estimates for two uncoupling algorithms. In Monagan et al. [MCG13], pages 85–92. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Barkatou:2012:CCF

[BCEW12]   M. A. Barkatou, T. Cluzeau, C. El Bacha, and J.-A. Weil. Computing closed form solutions of integrable connections. In van der Hoeven and van Hoeij [vdHvH12], pages 43–50. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Brown:1989:SPP

[BCF89]   C. Brown, G. Cooperman, and L. Finkelstein. Solving permutation problems using rewriting systems. In Gianni [Gia89], pages

364–377. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Babai:1991:NLT

[BCFS91]   László Babai, Gene Cooperman, Larry Finkelstein, and Ákos Seress. Nearly linear time algorithms for permutation groups with a small base. In Watt [Wat91], pages 200–209. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p200-babai/`.

Bajaj:1989:FRP

[BCGW89]   C. Bajaj, J. Canny, T. Garrity, and J. Warren. Factoring rational polynomials over the complexes. In Gonnet [Gon89], pages 81–90. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p81-bajaj/`. ACM order number: 505890. English and French.

Burr:2008:CSA

[BCGY08]   Michael Burr, Sung Woo Choi, Benjamin Galehouse, and Chee K. Yap. Complete subdivision algorithms, II: isotopic meshing of singular algebraic curves. In Jeffrey [Jef08], pages 87–94. ISBN 1-59593-904-0. LCCN ????

Bernardin:1999:SCJ

[BCK99]   Laurent Bernardin, Bruce Char, and Erich Kaltofen. Symbolic computation in Java: an appraisement. In Dooley [Doo99], pages 237–244. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL `http://www.acm.org/pubs/contents/proceedings/issac/309831/`.

Beckermann:1997:FCM

[BCL97]   Bernhard Beckermann, Stan Cabay, and George Labahn. Fraction-free computation of matrix Padé systems. In Küchlin [Küc97], pages 125–132. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p125-beckermann/`.

Beckermann:2002:FFR

[BCL02]   Bernhard Beckermann, Howard Cheng, and George Labahn. Fraction-free row reduction of matrices of skew polynomials.

In Mora [Mor02], pages 8–15. ISBN 1-58113-484-3. LCCN QA76.95. URL http://www.lifl.fr/ISSAC2002/.

Buchberger:1982:CAS

[BCLA82] Bruno Buchberger, George Edward Collins, Rudiger Loos, and R. Albrecht. *Computer algebra: symbolic and algebraic computation*, volume 4 of *Computing. Supplementum*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1982. ISBN 0-387-81684-4. vi + 283 pp. LCCN QA155.7.E4 C65 1982.

Berthe:2013:MGP

[BCLV13] Valérie Berthé, Jean Creusefond, Loïck Lhote, and Brigitte Vallée. Multiple GCDs. Probabilistic analysis of the plain algorithm. In Monagan et al. [MCG13], pages 37–44. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Bosma:1994:PAS

[BCM94] Wieb Bosma, John Cannon, and Graham Matthews. Programming with algebraic structures: design of the Magma language. In ACM [ACM94], pages 52–57. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p52-bosma/.

Bostan:2008:POD

[BCR08] Alin Bostan, Frédéric Chyzak, and Nicolas Le Roux. Products of ordinary differential operators by evaluation and interpolation. In Jeffrey [Jef08], pages 23–30. ISBN 1-59593-904-0. LCCN ????

Bi:2013:SLR

[BCR13] Jingguo Bi, Qi Cheng, and J. Maurice Rojas. Sub-linear root detection, and new hardness results, for sparse polynomials over finite fields. In Monagan et al. [MCG13], pages 61–68. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Bostan:2005:FAP

[BCS05] Alin Bostan, Thomas Cluzeau, and Bruno Salvy. Fast algorithms for polynomial solutions of linear differential equations. In Kauers [Kau05], pages 45–52. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Bostan:2007:DEA

[BCS+07] Alin Bostan, Frédéric Chyzak, Bruno Salvy, Grégoire Lecerf, and Éric Schost. Differential equations for algebraic functions. In Brown [Bro07], pages 25–32. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Bostan:2006:LCA

[BCSC06] A. Bostan, F. Chyzak, B. Salvy, and T. Cluzeau. Low complexity algorithms for linear recurrences. In Trager [Tra06], pages 31–38. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Bostan:2012:FCC

[BCSL12] Alin Bostan, Frédéric Chyzak, Bruno Salvy, and Ziming Li. Fast computation of common left multiples of linear ordinary differential operators. In van der Hoeven and van Hoeij [vdHvH12], pages 99–106. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Bachmair:1986:CPC

[BD86] Leo Bachmair and Nachum Dershowitz. Critical-pair criteria for the Knuth–Bendix completion procedure. In Char [Cha86b], pages 215–217. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p215-bachmair/. ACM order no. 505860.

Bradford:1989:ETC

[BD89] R. J. Bradford and J. H. Davenport. Effective tests for cyclotomic polynomials. In Gianni [Gia89], pages 244–251. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Bradford:2002:TBS

[BD02] Russell Bradford and James H. Davenport. Towards better simplification of elementary functions. In Mora [Mor02], pages 16–22. ISBN 1-58113-484-3. LCCN QA76.95. URL http://www.lifl.fr/ISSAC2002/.

Buse:2004:IPH

[BD04] Laurent Busé and Carlos D'Andrea. Inversion of parameterized hypersurfaces by means of subresultants. In Gutierrez [Gut04], pages 65–71. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Brown:2007:CQE

[BD07a]   Christopher W. Brown and James H. Davenport. The complexity of quantifier elimination and cylindrical algebraic decomposition. In Brown [Bro07], pages 54–60. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Buse:2007:IBP

[BD07b]   Laurent Busé and Marc Dohm. Implicitization of bihomogeneous parametrizations of algebraic surfaces via linear syzygies. In Brown [Bro07], pages 69–76. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Brickenstein:2008:GFN

[BD08]   Michael Brickenstein and Alexander Dreyer. Gröbner-free normal forms for Boolean polynomials. In Jeffrey [Jef08], pages 55–62. ISBN 1-59593-904-0. LCCN ????

Bigatti:2009:CSK

[BdC09]   Anna M. Bigatti and Eduardo Sáenz de Cabezón. Computation of the $(n-1)$-st Koszul Homology of monomial ideals and related algorithms. In May [May09], pages 31–38. ISBN 1-60558-609-9. LCCN ????

Bradford:2013:CAD

[BDE⁺13]   Russell Bradford, James H. Davenport, Matthew England, Scott McCallum, and David Wilson. Cylindrical algebraic decompositions for boolean combinations. In Monagan et al. [MCG13], pages 125–132. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Boyer:2009:MES

[BDPZ09]   Brice Boyer, Jean-Guillaume Dumas, Clément Pernet, and Wei Zhou. Memory efficient scheduling of Strassen–Winograd's matrix multiplication algorithm. In May [May09], pages 55–62. ISBN 1-60558-609-9. LCCN ????

Beals:1993:EAC

[Bea93]   Robert Beals. An elementary algorithm for computing the composition factors of a permutation group. In Bronstein [Bro93], pages 127–134. ISBN 0-89791-604-2. LCCN QA 76.95

I59 1993. URL http://www.acm.org:80/pubs/citations/ proceedings/issac/164081/p127-beals/. ACM order number: 505930.

Belmesk:1990:EME

[Bel90] M. Belmesk. An execution model for exploiting and-or parallelism in logic programs (abstract). In Watanabe and Nagata [WN90], page 288. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL http://www.acm.org:80/pubs/citations/ proceedings/issac/96877/p288-belmesk/.

Bertrand:1994:INA

[Ber94] Laurent Bertrand. On the implementation of a new algorithm for the computation of hyperelliptic integrals. In ACM [ACM94], pages 211–215. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL http://www.acm.org:80/pubs/ citations/proceedings/issac/190347/p211-bertrand/.

Bernardin:1997:MMP

[Ber97] Laurent Bernardin. Maple on a massively parallel, distributed memory machine. In Küchlin [Küc97], pages 217–222. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm. org:80/pubs/citations/proceedings/issac/266670/p217- bernardin/.

Bernardin:1998:BHP

[Ber98] Laurent Bernardin. On bivariate Hensel and its parallelization. In Gloor [Glo98], pages 96–100. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL http://www.acm.org/pubs/ citations/proceedings/issac/281508/p96-bernardin/.

Betten:2013:RCC

[Bet13] Anton Betten. Rainbow cliques and the classification of small BLT-sets. In Monagan et al. [MCG13], pages 53–60. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Beukers:2012:HFC

[Beu12] Frits Beukers. *A*-hypergeometric functions: computational aspects. In van der Hoeven and van Hoeij [vdHvH12], pages 1–2. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Backelin:1991:HWP

[BF91]   Jörgen Backelin and Ralf Fröberg. How we proved that there are exactly 924 cyclic 7-roots. In Watt [Wat91], pages 103–111. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p103-backelin/`.

Berman:1994:OCR

[BF94]   Benjamin P. Berman and Richard J. Fateman. Optical character recognition for typeset mathematics. In ACM [ACM94], pages 348–353. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p348-berman/`.

Bronstein:1999:SLO

[BF99]   Manuel Bronstein and Anne Fredet. Solving linear ordinary differential equations over $C(x, e^{\int f(x)\,dx})$. In Dooley [Doo99], pages 173–179. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL `http://www.acm.org/pubs/contents/proceedings/issac/309831/`.

Basiri:2003:COG

[BF03]   Abdolali Basiri and Jean-Charles Faugère. Changing the ordering of Gröbner bases with LLL: case of two variables. In Senda [Sen03], pages 23–29. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Biasse:2012:PTA

[BF12]   Jean-François Biasse and Claus Fieker. A polynomial time algorithm for computing the HNF of a module over the integers of a number field. In van der Hoeven and van Hoeij [vdHvH12], pages 75–82. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Bettale:2012:SPS

[BFP12]   Luk Bettale, Jean-Charles Faugère, and Ludovic Perret. Solving polynomial systems over finite fields: improved analysis of the hybrid approach. In van der Hoeven and van Hoeij [vdHvH12], pages 67–74. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Babai:1993:DCA

[BFS93]   László Babai, Katalin Friedl, and Markus Stricker. Decomposition of 0∗-closed algebras in polynomial time. In Bronstein

[Bro93], pages 86–94. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p86-babai/`. ACM order number: 505930.

Bretto:2007:GGC

[BG07] Alain Bretto and Luc Gillibert. G-graphs for the cage problem: a new upper bound. In Brown [Bro07], pages 49–53. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Bembe:2011:VRR

[BG11] Daniel Bembé and André Galligo. Virtual roots of a real polynomial and fractional derivatives. In Schost and Emiris [SE11], pages 27–34. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Broadbery:1995:IDE

[BGDW95] P. A. Broadbery, T. Gómez-Díaz, and S. M. Watt. On the implementation of dynamic evaluation. In Levelt [Lev95], pages 77–84. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p77-broadbery/`. ACM order number: 505950.

Bueno:1994:CSM

[BGH94] F. Bueno, M. Garcia de la Banda, and M. Hermenegildo. A comparative study of methods for automatic compile-time parallelization of logic programs. In Hong [Hon94], pages 63–73. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Brunick:1999:ECD

[BGHS99] Gerard P. Brunick, Edward L. Green, Lenwood S. Heath, and Craig A. Struble. Efficient construction of Drinfel'd doubles. In Dooley [Doo99], pages 45–52. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL `http://www.acm.org/pubs/contents/proceedings/issac/309831/`.

Boady:2013:TRS

[BGJ13] Mark Boady, Pavel Grinfeld, and Jeremy Johnson. A term rewriting system for the calculus of moving surfaces. In Monagan et al. [MCG13], pages 69–76. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Buendgen:1994:MAT

[BGK94a] R. Buendgen, M. Goebel, and W. Kuechlin. Multi-threaded AC term rewriting. In Hong [Hon94], pages 84–93. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Bundgen:1994:FPC

[BGK94b] Reinhard Bündgen, Manfred Göbel, and Wolfgang Küchlin. A fine-grained parallel completion procedure. In ACM [ACM94], pages 269–277. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p269-bundgen/`.

Buendgen:1996:MAP

[BGK96] R. Buendgen, M. Goebel, and W. Kuechlin. A master-slave approach to parallel term rewriting on a hierarchical multiprocessor. In Calmet and Limongelli [CL96], pages 183–194. ISBN 3-540-61697-7 (softcover). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN QA76.9.S88I576 1996.

Bretto:2005:SSG

[BGL05] Alain Bretto, Luc Gillibert, and Bernard Laget. Symmetric and semisymmetric graphs construction using G-graphs. In Kauers [Kau05], pages 61–67. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Beth:1991:FGN

[BGM91] T. Beth, W. Geiselmann, and F. Meyer. Finding (good) normal bases in finite fields. In Watt [Wat91], pages 173–178. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p173-beth/`.

Bournez:2012:CSI

[BGP12] Olivier Bournez, Daniel S. Graça, and Amaury Pouly. On the complexity of solving initial value problems. In van der Hoeven and van Hoeij [vdHvH12], pages 115–121. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Boucher:2003:FOL

[BGU03] Delphine Boucher, Philippe Gaillard, and Felix Ulmer. Fourth order linear differential equations with imprimitive group. In Senda [Sen03], pages 45–49. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Borst:1994:GRP

[BGV94]   W. N. Borst, V. V. Goldman, and J. A. Van Hulzen. GEN-
            TRAN 90: a REDUCE package for the generation of Fortran
            90 code. In ACM [ACM94], pages 45–51. ISBN 0-89791-638-
            7. LCCN QA76.95.I59 1994. URL http://www.acm.org:80/
            pubs/citations/proceedings/issac/190347/p45-borst/.

Briot:1996:OBP

[BGY96]   Jean-Pierre Briot, Jean-Marc Geib, and Akinori Yonezawa, edi-
            tors. *Object-based parallel and distributed computation: France–
            Japan Workshop, OBPDC '95, Tokyo, Japan, June 21–23,
            1995: selected papers*, volume 1107 of *Lecture Notes in Com-
            puter Science*. Springer-Verlag, Berlin, Germany / Heidelberg,
            Germany / London, UK / etc., 1996. ISBN 3-540-61487-7 (soft-
            cover). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN
            QA76.64 .F7 1995.

Borwein:2006:SCM

[BH06]   Jonathan M. Borwein and Chris H. Hamiltony. Symbolic com-
            putation of multidimensional Fenchel conjugates. In Trager
            [Tra06], pages 23–30. ISBN 1-59593-276-3. LCCN ???? ACM
            order number 505060.

Ballarin:1995:TAI

[BHC95]   Clemens Ballarin, Karsten Homann, and Jacques Calmet. The-
            orems and algorithms: An interface between Isabelle and
            Maple. In Levelt [Lev95], pages 150–157. ISBN 0-89791-
            699-9. LCCN QA 76.95 I59 1995. URL http://www.acm.
            org:80/pubs/citations/proceedings/issac/220346/p150-
            ballarin/. ACM order number: 505950.

Bubeck:1995:DSC

[BHKR95]   T. Bubeck, M. Hiller, W. Kuechlin, and W. Rosenstiel. Dis-
            tributed symbolic computation with DTS. In Ferreira and
            Rolim [FR95], pages 231–248. CODEN LNCSD9. ISBN 3-540-
            60321-2. ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN
            QA76.642 .I59 1995.

Bremner:2007:NSP

[BHP07]   Murray R. Bremner, Michael J. Hancock, and Yunfeng Piao.
            Nonassociative structures on polynomial algebras arising from
            bio-operations on formal languages: an application of computer

algebra to nonassociative systems. In Brown [Bro07], pages 41–48. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Bradford:1986:ERD

[BHPS86]   R. J. Bradford, A. C. Hearn, J. A. Padget, and E. Schrüfer. Enlarging the REDUCE domain of computation. In Char [Cha86b], pages 100–106. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL `http://www.acm. org:80/pubs/citations/proceedings/issac/32439/p100- bradford/`. ACM order no. 505860.

Butler:1991:DDG

[BIL91]   Greg Butler, Sridhar S. Iyer, and Susan H. Ley. A deductive database of the groups of order dividing 128. In Watt [Wat91], pages 210–218. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/ proceedings/issac/120694/p210-butler/`.

Binder:1996:FCL

[Bin96]   Franz Binder. Fast computations in the lattice of polynomial rational function fields. In Lakshman Y. N. [Lak96], pages 43–48. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/ proceedings/issac/236869/p43-binder/`.

Biscani:2012:PSP

[Bis12]   Francesco Biscani. Parallel sparse polynomial multiplication on modern hardware architectures. In van der Hoeven and van Hoeij [vdHvH12], pages 83–90. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Beringer:1998:SSA

[BJ98]   Frédéric Beringer and Françoise Jung. Solving "generalized algebraic equations". In Gloor [Glo98], pages 222–227. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL `http:// www.acm.org/pubs/citations/proceedings/issac/281508/ p222-beringer/`.

Brisebarre:2010:CIP

[BJ10]   Nicolas Brisebarre and Mioara Joldeş. Chebyshev interpolation polynomial-based tools for rigorous computing. In Watt

[Wat10], pages 147–154. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Buchberger:1997:STP

[BJK⁺97]   Bruno Buchberger, Tudor Jebelean, Franz Kriftner, Mircea Marin, Elena Tomuţa, and Daniela Vāsaru. A survey of the theorema project. In Küchlin [Küc97], pages 384–391. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p384-buchberger/`.

Bostan:2007:STV

[BJS07]   Alin Bostan, Claude-Pierre Jeannerod, and Éric Schost. Solving Toeplitz- and Vandermonde-like linear systems with large displacement rank. In Brown [Bro07], pages 33–40. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Beck:1986:SAL

[BK86]   Robert E. Beck and Bernard Kolman. Symbolic algorithms for Lie algebra computation. In Char [Cha86b], pages 85–87. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p85-beck/`. ACM order no. 505860.

Baral:1997:LPN

[BKLG97]   C. Baral, V. S. Kreinovich, V. Lifschitz, and M. Gelfond, editors. *Logic programming, non-monotonic reasoning and reasoning about actions: Symposium — November 1995, El Paso, TX*, volume 21(2) of *Annals of Mathematics and Artificial Intelligence*. Baltzer Science, Basel, Switzerland, 1997. ISSN 1012-2443.

Baaz:1990:SPR

[BL90]   M. Baaz and A. Leitsch. A strong problem reduction method based on function introduction. In Watanabe and Nagata [WN90], pages 30–37. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p30-baaz/`.

Belkov:1991:RUC

[BL91]   Alexander A. Bel'kov and Alexander V. Lanyov. REDUCE us-
           age for calculation of low-energy process amplitudes in chiral
           QCD model. In Watt [Wat91], pages 454–455. ISBN 0-89791-
           437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:
           80/pubs/citations/proceedings/issac/120694/p454-bel_
           kov/.

Breuer:1998:GTS

[BL98]   Thomas Breuer and Steve Linton. The GAP 4 type system
           organising algebraic algorithms. In Gloor [Glo98], pages 38–
           45. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL
           http://www.acm.org/pubs/citations/proceedings/issac/
           281508/p38-breuer/.

Boulier:2000:CCR

[BL00]   François Boulier and François Lemaire. Computing canonical
           representatives of regular differential ideals. In Traverso [Tra00],
           pages 38–47. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000.
           URL http://www.acm.org/pubs/articles/proceedings/issac/
           345542/p38-boulier/p38-boulier.pdf;   http://www.acm.
           org/pubs/citations/proceedings/issac/345542/p38-boulier/
           . ACM order number 505000.

Bronstein:2002:SLO

[BL02]   Manuel Bronstein and Sébastien Lafaille. Solutions of linear
           ordinary differential equations in terms of special functions.
           In Mora [Mor02], pages 23–28. ISBN 1-58113-484-3. LCCN
           QA76.95. URL http://www.lifl.fr/ISSAC2002/.

Beckermann:2009:FFC

[BL09]   Bernhard Beckermann and George Labahn. Fraction-free com-
           putation of simultaneous Padé approximants. In May [May09],
           pages 15–22. ISBN 1-60558-609-9. LCCN ????

Berkesch:2010:ABS

[BL10]   Christine Berkesch and Anton Leykin. Algorithms for
           Bernstein–Sato polynomials and multiplier ideals. In Watt
           [Wat10], pages 99–106. ISBN 1-4503-0150-9. LCCN QA76.95
           .I59 2010.

Berthomieu:2012:RPA

[BL12]   Jérémy Berthomieu and Romain Lebreton. Relaxed p-adic Hensel lifting for algebraic systems. In van der Hoeven and van Hoeij [vdHvH12], pages 59–66. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Boulier:2001:P

[BLM01]   François Boulier, François Lemaire, and Marc Moreno Maza. PARDI! In Mourrain [Mou01], pages 38–47. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Bouzidi:2013:RUR

[BLPR13a] Yacine Bouzidi, Sylvain Lazard, Marc Pouget, and Fabrice Rouillier. Rational univariate representations of bivariate systems and applications. In Monagan et al. [MCG13], pages 109–116. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Bouzidi:2013:SLF

[BLPR13b] Yacine Bouzidi, Sylvain Lazard, Marc Pouget, and Fabrice Rouillier. Separating linear forms for bivariate systems. In Monagan et al. [MCG13], pages 117–124. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Boulier:2013:IDF

[BLRR13]   François Boulier, François Lemaire, Georg Regensburger, and Markus Rosenkranz. On the integration of differential fractions. In Monagan et al. [MCG13], pages 101–108. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Basson:2013:EEL

[BLRS13]   Romain Basson, Reynald Lercier, Christophe Ritzenthaler, and Jeroen Sijsling. An explicit expression of the Lüroth invariant. In Monagan et al. [MCG13], pages 31–36. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Bostan:2003:TPP

[BLS03]   A. Bostan, G. Lecerf, and É. Schost. Tellegen's principle into practice. In Senda [Sen03], pages 37–44. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Bostan:2004:CIB

[BLS⁺04]   A. Bostan, G. Lecerf, B. Salvy, É. Schost, and B. Wiebelt. Complexity issues in bivariate polynomial factorization. In Gutierrez [Gut04], pages 42–49. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Bostan:2013:CTR

[BLS13]   Alin Bostan, Pierre Lairez, and Bruno Salvy. Creative telescoping for rational functions using the Griffiths–Dwork method. In Monagan et al. [MCG13], pages 93–100. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Beckermann:1999:SNF

[BLV99]   Bernhard Beckermann, George Labahn, and Gilles Villard. Shifted normal forms of polynomial matrices. In Dooley [Doo99], pages 189–196. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL http://www.acm.org/pubs/contents/proceedings/issac/309831/.

Burger:2004:CFS

[BLvH04]   Reinhold Burger, George Labahn, and Mark van Hoeij. Closed form solutions of linear ODEs having elliptic function coefficients. In Gutierrez [Gut04], pages 58–64. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Bronstein:2005:PVE

[BLW05]   Manuel Bronstein, Ziming Li, and Min Wu. Picard–vessiot extensions for linear functional systems. In Kauers [Kau05], pages 68–75. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Berndt:1991:ACA

[BLWhW91]   R. Berndt, A. Lock, G. Witte, and C. h. Wöll. Application of computer algebra to surface lattice dynamics. In Watt [Wat91], pages 433–438. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p433-berndt/.

Buchmann:1991:CNP

[BM91]   Johannes Buchmann and Volker Müller. Computing the number of points of elliptic curves over finite fields. In Watt [Wat91], pages 179–182. ISBN 0-89791-437-6. LCCN QA 76.95

I59 1991. URL http://www.acm.org:80/pubs/citations/
proceedings/issac/120694/p179-buchmann/.

Brunat:2004:CIF

[BM04]   Josep M. Brunat and Antonio Montes. The characteristic ideal
           of a finite, connected, regular graph. In Gutierrez [Gut04], pages
           50–57. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Brown:2005:UBE

[BM05]   Christopher W. Brown and Scott McCallum. On using bi-
           equational constraints in CAD construction. In Kauers [Kau05],
           pages 76–83. ISBN 1-59593-095-7. LCCN ???? ACM Order
           Number 505050.

Becker:1994:SSL

[BMMT94]   Eberhard Becker, Teo Mora, Maria Grazia Marinari, and
           Carlo Traverso. The shape of the Shape Lemma. In ACM
           [ACM94], pages 129–133. ISBN 0-89791-638-7. LCCN
           QA76.95.I59 1994. URL http://www.acm.org:80/pubs/
           citations/proceedings/issac/190347/p129-becker/.

Bondyfalat:1998:CIM

[BMP98]   Didier Bondyfalat, Bernard Mourrain, and Victor Y. Pan. Con-
           trolled iterative methods for solving polynomial systems. In
           Gloor [Glo98], pages 252–259. ISBN 1-58113-002-3. LCCN
           QA155.7.E4 E88 1998. URL http://www.acm.org/pubs/
           citations/proceedings/issac/281508/p252-bondyfalat/.

Bronstein:1997:SPD

[BMW97]   Manuel Bronstein, Thom Mulders, and Jacques-Arthur Weil.
           On symmetric powers of differential operators. In Küchlin
           [Küc97], pages 156–163. ISBN 0-89791-875-4. LCCN
           QA76.95. URL http://www.acm.org:80/pubs/citations/
           proceedings/issac/258726/p156-bronstein/.

Bodnar:2004:EDR

[Bod04]   Gábor Bodnár. Efficient desingularization of reducible algebraic
           sets. In Gutierrez [Gut04], pages 35–41. ISBN 1-58113-827-X.
           LCCN QA76.95 .I57 2004.

Bodrato:2010:SLM

[Bod10]   Marco Bodrato. A Strassen-like matrix multiplication suited for squaring and higher power computation. In Watt [Wat10], pages 273–280. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Boulier:1995:RRF

[BOLP95]   F. Boulier, F. Ollivier, D. Lazard, and M. Petitot. Representation for the radical of a finitely generated differential ideal. In Levelt [Lev95], pages 158–166. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p158-boulier/`. ACM order number: 505950.

Bonacina:1994:RPD

[Bon94]   M. P. Bonacina. On the reconstruction of proofs in distributed theorem proving with contraction: a modified Clause-Diffusion method. In Hong [Hon94], pages 22–33. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Bonacina:1997:ESS

[Bon97]   Maria Paola Bonacina. Experiments with subdivisions of search in distributed theorem proving. In Küchlin [Küc97], pages 88–100. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/266670/p88-bonacina/`.

Bessonov:2013:ICP

[BOS13]   Mariya Bessonov, Alexey Ovchinnikov, and Maxwell Shapiro. Integrability conditions for parameterized linear difference equations. In Monagan et al. [MCG13], pages 45–52. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Boucher:1999:APS

[Bou99]   Delphine Boucher. About the polynomial solutions of homogeneous linear differential equations depending on parameters. In Dooley [Doo99], pages 261–268. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL `http://www.acm.org/pubs/contents/proceedings/issac/309831/`.

Boucher:2005:NCI

[Bou05]   Delphine Boucher. Non complete integrability of a magnetic satellite in circular orbit. In Kauers [Kau05], pages 53–60. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Bini:1990:PPC

[BP90]   D. Bini and V. Pan. Parallel polynomial computations by recursive processes. In Watanabe and Nagata [WN90], page 294. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p294-bini/`.

Bosma:1991:CFG

[BP91]   Wieb Bosma and Michael Pohst. Computations with finitely generated modules over Dedekind rings. In Watt [Wat91], pages 151–156. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p151-bosma/`.

Bini:1993:PCT

[BP93]   Dario Bini and Victor Pan. Parallel computations with Toeplitz-like and Hankel-like matrices. In Bronstein [Bro93], pages 193–200. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p193-bini/`. ACM order number: 505930.

Burke-Perline:1994:PCU

[BP94]   T. Burke-Perline. The parallel computation of $f(x)0(00 - 010)0/02 \bmod h(x)$ using Sugarbush 1.1. In Hong [Hon94], pages 74–83. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Barkatou:1998:EPL

[BP98]   M. A. Barkatou and E. Pflügel. On the equivalence problem of linear differential systems and its application for factoring completely reducible systems. In Gloor [Glo98], pages 268–275. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL `http://www.acm.org/pubs/citations/proceedings/issac/281508/p268-barkatou/`.

Boyle:2006:AHP

[BP06]   Phelim Boyle and Alex Potapchik. Application of high-precision computing for pricing arithmetic Asian options. In Trager [Tra06], pages 39–46. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Barkatou:2007:CSI

[BP07] Moulay A. Barkatou and Eckhard Pflügel. Computing super-irreducible forms of systems of linear differential equations via Moser-reduction: a new approach. In Brown [Bro07], pages 1–8. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Basu:1998:CCS

[BPR98] Saugata Basu, Richard Pollack, and Marie-Françoise Roy. Complexity of computing semi-algebraic descriptions of the connected components of a semi-algebraic set. In Gloor [Glo98], pages 25–29. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL http://www.acm.org/pubs/citations/proceedings/issac/281508/p25-basu/.

Briek:1994:SCT

[BR94] S. Briek and A. Rauzy. Synchronization of constrained transition systems. In Hong [Hon94], pages 54–62. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Bigatti:2006:CSC

[BR06] Anna Bigatti and Lorenzo Robbiano. CocoA: a system for computations in commutative algebra. In Trager [Tra06], page 6. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Barkatou:2012:SLO

[BR12] Moulay A. Barkatou and Clemens G. Raab. Solving linear ordinary differential systems in hyperexponential extensions. In van der Hoeven and van Hoeij [vdHvH12], pages 51–58. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Bradford:1989:SRD

[Bra89] R. Bradford. Some results on the defect. In Gonnet [Gon89], pages 129–135. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p129-bradford/. ACM order number: 505890. English and French.

Bradford:1990:PBA

[Bra90] R. Bradford. A parallelization of the Buchberger algorithm. In Watanabe and Nagata [WN90], page 296. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95

.I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p296-bradford/`.

Bratvold:1994:PFP

[Bra94]   T. A. Bratvold. Parallelising a functional program using a list-homomorphism skeleton. In Hong [Hon94], pages 44–53. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Bronstein:1986:GFA

[Bro86]   Manuel Bronstein. Gsolve: a faster algorithm for solving systems of algebraic equations. In Char [Cha86b], pages 247–249. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p247-bronstein/`. ACM order no. 505860.

Bronstein:1989:FRR

[Bro89a]   M. Bronstein. Fast reduction of the Risch differential equation. In Gianni [Gia89], pages 64–72. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Bronstein:1989:SRE

[Bro89b]   M. Bronstein. Simplification of real elementary functions. In Gonnet [Gon89], pages 207–211. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p207-bronstein/`. ACM order number: 505890. English and French.

Bronstein:1991:RDE

[Bro91]   Manuel Bronstein. The Risch differential equation on an algebraic curve. In Watt [Wat91], pages 241–246. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p241-bronstein/`.

Bronstein:1992:LOD

[Bro92]   Manuel Bronstein. Linear ordinary differential equations: breaking through the order 2 barrier. In Wang [Wan92b], pages 42–48. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p42-bronstein/`. ACM order number: 505920.

Bronstein:1993:IPI

[Bro93]   Manuel Bronstein, editor. *ISSAC'93: proceedings of the 1993 International Symposium on Symbolic and Algebraic Computation, July 6–8, 1993, Kiev, Ukraine.* ACM Press, New York, NY 10036, USA, 1993. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. ACM order number: 505930.

Bronstein:1994:IAF

[Bro94]   Manuel Bronstein. An improved algorithm for factoring linear ordinary differential operators. In ACM [ACM94], pages 336–340. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/` ▮ `p336-bronstein/`.

Brown:1998:STI

[Bro98]   Christopher W. Brown. Simplification of truth-invariant cylindrical algebraic decompositions. In Gloor [Glo98], pages 295–301. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL `http://www.acm.org/pubs/citations/proceedings/issac/281508/p295-brown/`.

Brown:1999:GSF

[Bro99]   Christopher W. Brown. Guaranteed solution formula construction. In Dooley [Doo99], pages 137–144. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL `http://www.acm.org/pubs/contents/proceedings/issac/309831/`.

Brown:2000:IPC

[Bro00]   Christopher W. Brown. Improved projection for CAD's of R^3. In Traverso [Tra00], pages 48–53. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL `http://www.acm.org/pubs/articles/proceedings/issac/345542/p48-brown/p48-brown.pdf`; `http://www.acm.org/pubs/citations/proceedings/issac/345542/p48-brown/`. ACM order number 505000.

Brown:2007:PIS

[Bro07]   C. W. Brown, editor. *Proceedings of the 2007 International Symposium on Symbolic and Algebraic Computation, July 29– August 1, 2007, University of Waterloo, Waterloo, Ontario, Canada.* ACM Press, New York, NY 10036, USA, 2007. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Brown:2009:FST

[Bro09]   Christopher W. Brown. Fast simplifications for Tarski formulas. In May [May09], pages 63–70. ISBN 1-60558-609-9. LCCN ????

Brown:2013:CSO

[Bro13]   Christopher W. Brown. Constructing a single open cell in a cylindrical algebraic decomposition. In Monagan et al. [MCG13], pages 133–140. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Bihan:2009:FRF

[BRS09]   Frédéric Bihan, J. Maurice Rojas, and Casey E. Stella. Faster real feasibility via circuit discriminants. In May [May09], pages 39–46. ISBN 1-60558-609-9. LCCN ????

Bayer:1986:DMS

[BS86]   D. Bayer and M. Stillman. The design of Macaulay: a system for computing in algebraic geometry and commutative algebra. In Char [Cha86b], pages 157–162. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL http://www.acm. org:80/pubs/citations/proceedings/issac/32439/p157- bayer/. ACM order no. 505860.

Bronstein:1993:FPF

[BS93]   Manuel Bronstein and Bruno Salvy. Full partial fraction decomposition of rational functions. In Bronstein [Bro93], pages 157–160. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL http://www.acm.org:80/pubs/citations/ proceedings/issac/164081/p157-bronstein/. ACM order number: 505930.

Bachmann:1998:MRG

[BS98]   Olaf Bachmann and Hans Schönemann. Monomial representations for Gröbner bases computations. In Gloor [Glo98], pages 309–316. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL http://www.acm.org/pubs/citations/proceedings/ issac/281508/p309-bachmann/.

Bodnar:2000:IAR

[BS00]   Gábor Bodnár and Josef Schicho. An improved algorithm for the resolution of singularities. In Traverso [Tra00], pages 30– 37. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL

http://www.acm.org/pubs/articles/proceedings/issac/
345542/p30-bodnar/p30-bodnar.pdf; http://www.acm.
org/pubs/citations/proceedings/issac/345542/p30-bodnar/█
. ACM order number 505000.

Burgisser:2007:DFC

[BS07] Peter Bürgisser and Peter Scheiblechner. Differential forms in computational algebraic geometry. In Brown [Bro07], pages 61–68. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Benoit:2009:CES

[BS09a] Alexandre Benoit and Bruno Salvy. Chebyshev expansions for solutions of linear differential equations. In May [May09], pages 23–30. ISBN 1-60558-609-9. LCCN ????

Bostan:2009:FAD

[BS09b] Alin Bostan and Éric Schost. Fast algorithms for differential equations in positive characteristic. In May [May09], pages 47–54. ISBN 1-60558-609-9. LCCN ????

Brown:2010:BBW

[BS10] Christopher W. Brown and Adam Strzeboński. Black-box/white-box simplification and applications to quantifier elimination. In Watt [Wat10], pages 69–76. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Borwein:2011:SVG

[BS11a] Jonathan M. Borwein and Armin Straub. Special values of generalized log-sine integrals. In Schost and Emiris [SE11], pages 43–50. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Bright:2011:VRN

[BS11b] Curtis Bright and Arne Storjohann. Vector rational number reconstruction. In Schost and Emiris [SE11], pages 51–58. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Bach:2013:ACS

[BS13] Eric Bach and Jonathan P. Sorenson. Approximately counting semismooth integers. In Monagan et al. [MCG13], pages 23–30. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Bostan:2012:PSS

[BSC⁺12] Alin Bostan, Bruno Salvy, Muhammad F. I. Chowdhury, Éric Schost, and Romain Lebreton. Power series solutions of singular (q)-differential equations. In van der Hoeven and van Hoeij [vdHvH12], pages 107–114. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Bachmann:1996:MFD

[BSG96] Olaf Bachmann, Hans Schönemann, and Simon Gray. MPP: A framework for distributed polynomial computations. In Lakshman Y. N. [Lak96], pages 103–112. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p103-bachmann/.

Bachmann:1997:PSD

[BSG97] Olaf Bachmann, Hans Schönemann, and Simon Gray. A proposal for syntactic data integration math protocols. In Küchlin [Küc97], pages 165–175. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/proceedings/issac/266670/p165-bachmann/.

Bostan:2008:PSC

[BSS08] Alin Bostan, Bruno Salvy, and Éric Schost. Power series composition and change of basis. In Jeffrey [Jef08], pages 269–276. ISBN 1-59593-904-0. LCCN ????

Buchberger:2005:VFS

[Buc05] Bruno Buchberger. A view on the future of symbolic computation. In Kauers [Kau05], page 1. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Bundgen:1991:CIP

[Bün91] Reinhard Bündgen. Completion of integral polynomials by AC-term completion. In Watt [Wat91], pages 70–78. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p70-bundgen/.

Burge:1991:SRI

[Bur91] William H. Burge. Scratchpad and the Rogers–Ramanujan identities. In Watt [Wat91], pages 189–190. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p189-burge/.

Burgisser:2011:PAC

[Bür11a]   Peter Bürgisser. Probabilistic analysis of condition numbers. In Schost and Emiris [SE11], pages 5–6. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Burton:2011:DGV

[Bur11b]   Benjamin A. Burton. Detecting genus in vertex links for the fast enumeration of 3-manifold triangulations. In Schost and Emiris [SE11], pages 59–66. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Buse:2001:RRP

[Bus01]   Laurent Busé. Residual resultant over the projective plane and the implicitization problem. In Mourrain [Mou01], pages 48–55. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Butler:1986:DCC

[But86]   Greg Butler. Divide-and-conquer in computational group theory. In Char [Cha86b], pages 59–64. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p59-butler/. ACM order no. 505860.

Butler:1992:ECA

[But92]   Greg Butler. Experimental comparison of algorithms for Sylow subgroups. In Wang [Wan92b], pages 251–262. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p251-butler/. ACM order number: 505920.

Blankertz:2012:CCD

[BvzGZ12]   Raoul Blankertz, Joachim von zur Gathen, and Konstantin Ziegler. Compositions and collisions at degree p^2. In van der Hoeven and van Hoeij [vdHvH12], pages 91–98. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Becker:1991:CRP

[BW91]   Thomas Becker and Volker Weispfenning. The Chinese remainder problem, multivariate interpolation, and Gröbner bases. In Watt [Wat91], pages 64–69. ISBN 0-89791-437-6. LCCN

QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p64-becker/`.

Buchberger:1998:YGB

[BW98]   Bruno Buchberger and Franz Winkler, editors. *33 years of Gröbner bases: Gröbner bases and applications: Conference — February 1998, Linz, Austria*, number 251 in London Mathematical Society Lecture Note Series. Cambridge University Press, Cambridge, UK, 1998. ISBN 0-521-63298-6. LCCN QA251.3.G76 1998.

Bachmann:1994:CRM

[BWZ94]   Olaf Bachmann, Paul S. Wang, and Eugene V. Zima. Chains of recurrences — a method to expedite the evaluation of closed-form functions. In ACM [ACM94], pages 242–249. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p242-bachmann/`.

Brownawell:2009:LBZ

[BY09]   W. Dale Brownawell and Chee K. Yap. Lower bounds for zero-dimensional projections. In May [May09], pages 79–86. ISBN 1-60558-609-9. LCCN ????

Bodrato:2007:IPM

[BZ07]   Marco Bodrato and Alberto Zanoni. Integer and polynomial multiplication: towards optimal Toom–Cook matrices. In Brown [Bro07], pages 17–24. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Corless:2007:JHF

[CA07]   Robert M. Corless and Dawit Assefa. Jeffery–Hamel flow with Maple: a case study of integration of elliptic functions in a CAS. In Brown [Bro07], pages 108–115. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Caboara:1993:DAG

[Cab93]   Massimo Caboara. A dynamic algorithm for Gröbner basis computation. In Bronstein [Bro93], pages 275–283. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p275-caboara/`. ACM order number: 505930.

Canny:1989:GCP

[Can89]   J. Canny. Generalized characteristic polynomials. In Gianni [Gia89], pages 293–299. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Carette:2004:UES

[Car04]   Jacques Carette. Understanding expression simplification. In Gutierrez [Gut04], pages 72–79. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Carette:2007:CFP

[Car07]   Jacques Carette. A canonical form for piecewise defined functions. In Brown [Bro07], pages 77–84. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Costa:1997:EPL

[CBdCD97]   Vítor Santos Costa, Ricardo Bianchini, and Inês de Castro Dutra. Evaluating parallel logic programming systems on scalable multiprocessors. In Küchlin [Küc97], pages 58–67. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/proceedings/issac/266670/p58-santos_costa/.

ChaffyCamus:1989:ARA

[CC89]   C. Chaffy-Camus. An application of REDUCE to the approximation of $f(x, y)$. In Gianni [Gia89], pages 73–84. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Cantone:1990:DFE

[CC90]   D. Cantone and V. Cutello. A decidable fragment of the elementary theory of relations and some applications. In Watanabe and Nagata [WN90], pages 24–29. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p24-cantone/.

Cantone:1993:DPS

[CC93]   Domenico Cantone and Vincenzo Cutello. Decision procedures for stratified set-theoretic syllogistics. In Bronstein [Bro93], pages 105–110. ISBN 0-89791-604-2. LCCN QA 76.95

I59 1993. URL http://www.acm.org:80/pubs/citations/ proceedings/issac/164081/p105-cantone/. ACM order number: 505930.

Chin:1998:OSA

[CCC98] Paulina Chin, Robert M. Corless, and George F. Corliss. Optimization strategies for the approximate GCD problem. In Gloor [Glo98], pages 228–235. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL http://www.acm.org/pubs/ citations/proceedings/issac/281508/p228-chin/.

Cantone:1989:DPE

[CCF89] D. Cantone, V. Cutello, and A. Ferro. Decision procedures for elementary sublanguages of set theory. XIV. Three languages involving rank related constructs. In Gianni [Gia89], pages 407–422. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Carvajal:2005:HSN

[CCG05] Orlando A. Carvajal, Frederick W. Chapman, and Keith O. Geddes. Hybrid symbolic-numeric integration in multiple dimensions via tensor-product series. In Kauers [Kau05], pages 84–91. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Chan:2004:NLS

[CCT04] L. Chan and E. S. Cheb-Terrab. Non-Liouvillian solutions for second order linear ODEs. In Gutierrez [Gut04], pages 80–86. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Caboara:2008:GBP

[CCT08] Massimo Caboara, Fabrizio Caruso, and Carlo Traverso. Gröbner bases for public key cryptography. In Jeffrey [Jef08], pages 315–324. ISBN 1-59593-904-0. LCCN ????

Chen:1999:RNF

[CD99] Guoting Chen and Jean Della Dora. Rational normal form for dynamical systems by Carleman linearization. In Dooley [Doo99], pages 165–172. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL http://www.acm.org/pubs/contents/ proceedings/issac/309831/.

Cabarcas:2011:LAC

[CD11] Daniel Cabarcas and Jintai Ding. Linear algebra to compute syzygies and Gröbner bases. In Schost and Emiris [SE11], pages 67–74. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Cicalo:2007:NAG

[CdG07] Serena Cicalò and Willem de Graaf. Non-associative Gröbner bases, finitely-presented Lie rings and the Engel condition. In Brown [Bro07], pages 100–107. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Corless:2007:SEA

[CDHJ07] Robert M. Corless, Hui Ding, Nicholas J. Higham, and David J. Jeffrey. The solution of $s \exp(s) = a$ is not always the Lambert W function of a. In Brown [Bro07], pages 116–121. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Chen:2010:TDS

[CDM+10] Changbo Chen, James H. Davenport, John P. May, Marc Moreno Maza, Bican Xia, and Rong Xiao. Triangular decomposition of semi-algebraic systems. In Watt [Wat10], pages 187–194. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Chen:2011:CSA

[CDM+11] Changbo Chen, James H. Davenport, Marc Moreno Maza, Bican Xia, and Rong Xiao. Computing with semi-algebraic sets represented by triangular decomposition. In Schost and Emiris [SE11], pages 75–82. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Caboara:1996:MHF

[CdR96] Massimo Caboara, Gabriel de Dominicis, and Lorenzo Robbiano. Multigraded Hilbert functions and Buchberger algorithm. In Lakshman Y. N. [Lak96], pages 72–78. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p72-caboara/.

Caprasse:1989:CEB

[CDS89] H. Caprasse, J. Demaret, and E. Schrufer. Can EXCALC be used to investigate high-dimensional cosmological models with

nonlinear Lagrangians? In Gianni [Gia89], pages 116–124. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Chen:1991:NNF

[CDS91] Guoting Chen, Jean Della Dora, and Laurent Stolovitch. Nilpotent normal form via Carleman linearization (for systems of ordinary differential equations). In Watt [Wat91], pages 281–288. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p281-chen/.

Costermans:2005:SAE

[CEMP05] C. Costermans, J. Y. Enjalbert, Hoang Ngoc Minh, and M. Petitot. Structure and asymptotic expansion of multiple harmonic sums. In Kauers [Kau05], pages 100–107. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Cesari:1997:CCA

[Ces97] Giovanni Cesari. CALYPSO: a computer algebra library for parallel symbolic computation. In Küchlin [Küc97], pages 204–216. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/proceedings/issac/266670/p204-cesari/.

Cetinkaya:1992:SAL

[Cet92] Cetin Cetinkaya. On stability analysis of linear stochastic and time-varying deterministic systems. In Wang [Wan92b], pages 278–283. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p278-cetinkaya/. ACM order number: 505920.

Cooperman:1992:FCB

[CF92] Gene Cooperman and Larry Finkelstein. A fast cyclic base change for permutation groups. In Wang [Wan92b], pages 224–232. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p224-cooperman/. ACM order number: 505920.

Chen:2011:SCR

[CFFL11] Shaoshi Chen, Ruyong Feng, Guofeng Fu, and Ziming Li. On the structure of compatible rational functions. In Schost and

Emiris [SE11], pages 91–98. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Cooperman:1989:RGC

[CFL89] G. Cooperman, L. Finkelstein, and E. Luks. Reduction of group constructions to point stabilizers. In Gonnet [Gon89], pages 351–356. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p351-cooperman/. ACM order number: 505890. English and French.

Cooperman:1990:RBC

[CFS90] G. Cooperman, L. Finkelstein, and N. Sarawagi. A random base change algorithm for permutation groups. In Watanabe and Nagata [WN90], pages 161–168. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p161-cooperman/.

Cooperman:1995:CMG

[CFT95] Gene Cooperman, Larry Finkelstein, and Michael Tselman. Computing with matrix groups using permutation representations. In Levelt [Lev95], pages 259–264. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p259-cooperman/. ACM order number: 505950.

Cooperman:1994:CPR

[CFYT94] Gene Cooperman, Larry Finkelstein, Bryant York, and Michael Tselman. Constructing permutation representations for large matrix groups. In ACM [ACM94], pages 134–138. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p134-cooperman/.

Czapor:1986:IBA

[CG86] S. R. Czapor and K. O. Geddes. On implementing Buchberger's algorithm for Gröbner bases. In Char [Cha86b], pages 233–238. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p233-czapor/. ACM order no. 505860.

Chen:1990:IAM

[CG90a] G. Chen and I. Gil. The implementation of an algorithm in Macsyma: computing the formal solutions of differential systems in the neighborhood of regular singular point. In Watanabe and Nagata [WN90], page 307. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p307-chen/`.

Chou:1990:MMG

[CG90b] Shang-Ching Chou and Xiao-Shan Gao. Methods for mechanical geometry formula deriving. In Watanabe and Nagata [WN90], pages 265–270. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p265-chou/`.

Crouch:1992:ECI

[CG92] P. E. Crouch and R. L. Grossman. The explicit computation of integration algorithms and first integrals for ordinary differential equations with polynomial coefficients using trees. In Wang [Wan92b], pages 89–94. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p89-crouch/`. ACM order number: 505920.

Cooperman:2001:SPC

[CG01] Gene Cooperman and Victor Grinberg. Scalable parallel coset enumeration using bulk definition. In Mourrain [Mou01], pages 77–84. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Char:1986:CAU

[CGG+86] B. W. Char, K. O. Geddes, G. H. Gonnet, B. J. Marshman, and P. J. Ponzo. Computer algebra in the undergraduate mathematics classroom. In Char [Cha86b], pages 135–140. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p135-char/`. ACM order no. 505860.

Corless:1999:APD

[CGJ99] Robert M. Corless, Mark W. Giesbrecht, and David J. Jeffrey. Approximate polynomial decomposition. In Dooley [Doo99], pages 213–219. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL `http://www.acm.org/pubs/contents/proceedings/issac/309831/`.

Chattopadhyay:2013:FBL

[CGK+13] Arkadev Chattopadhyay, Bruno Grenet, Pascal Koiran, Natacha Portier, and Yann Strozecki. Factoring bivariate lacunary polynomials without heights. In Monagan et al. [MCG13], pages 141–148. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Corless:2002:GNA

[CGKW02] Robert M. Corless, André Galligo, Ilias S. Kotsireas, and Stephen M. Watt. A geometric-numeric algorithm for absolute factorization of multivariate polynomials. In Mora [Mor02], pages 37–45. ISBN 1-58113-484-3. LCCN QA76.95. URL `http://www.lifl.fr/ISSAC2002/`.

Crouch:1991:CID

[CGL91] Peter Crouch, Robert Grossman, and Richard Larson. Computations involving differential operators and their actions on functions. In Watt [Wat91], pages 301–307. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p301-crouch/`.

Cheng:2009:RIB

[CGL09] Jin-San Cheng, Xiao-Shan Gao, and Jia Li. Root isolation for bivariate polynomial systems with local generic position method. In May [May09], pages 103–110. ISBN 1-60558-609-9. LCCN ????

Conti:2010:SBL

[CGR10] C. Conti, L. Gemignani, and L. Romani. Solving Bezout-like polynomial equations for the design of interpolatory subdivision schemes. In Watt [Wat10], pages 251–256. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Corless:1997:RSF

[CGT97] Robert M. Corless, Patrizia M. Gianni, and Barry M. Trager. A reordered Schur factorization method for zero-

dimensional polynomial systems with multiple roots. In Küchlin [Küc97], pages 133–140. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p133-corless/`.

Corless:1995:SVD

[CGTW95] Robert M. Corless, Patrizia M. Gianni, Barry M. Trager, and Stephen M. Watt. The singular value decomposition for polynomial systems. In Levelt [Lev95], pages 195–207. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p195-corless/`. ACM order number: 505950.

Corless:2001:TFB

[CGvH+01] Robert M. Corless, Mark W. Giesbrecht, Mark van Hoeij, Ilias S. Kotsireas, and Stephen M. Watt. Towards factoring bivariate approximate polynomials. In Mourrain [Mou01], pages 85–92. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Cheng:2007:CNI

[CGY07] Jin-San Cheng, Xiao-Shan Gao, and Chee-Keng Yap. Complete numerical isolation of real zeros in zero-dimensional triangular systems. In Brown [Bro07], pages 92–99. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Chou:1993:AGT

[CGZ93] Shang-Ching Chou, Xiao-Shan Gao, and Jing-Zhong Zhang. Automated geometry theorem proving by vector calculation. In Bronstein [Bro93], pages 284–291. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p284-chou/`. ACM order number: 505930.

Chaffy:1986:HCM

[Cha86a] C. Chaffy. How to compute multivariate Padé approximants. In Char [Cha86b], pages 56–58. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p56-chaffy/`. ACM order no. 505860.

Char:1986:PSS

[Cha86b] Bruce W. Char, editor. *Proceedings of the 1986 Symposium on Symbolic and Algebraic Computation: Symsac '86, July 21–23, 1986, Waterloo, Ontario*. ACM Press, New York, NY 10036, USA, 1986. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. ACM order no. 505860.

Char:1989:ARA

[Cha89] B. W. Char. Automatic reasoning about numerical stability of rational expressions. In Gonnet [Gon89], pages 234–241. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p234-char/. ACM order number: 505890. English and French.

Char:1990:PRS

[Cha90] B. W. Char. Progress report on a system for general-purpose parallel symbolic algebraic computation. In Watanabe and Nagata [WN90], pages 96–103. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p96-char/.

Chaffy:1995:ACP

[Cha95] Claudine Chaffy. The analytic continuation process: From computer algebra to numerical analysis. In Levelt [Lev95], pages 216–222. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p216-chaffy/. ACM order number: 505950.

Chapman:2003:EAA

[Cha03] Frederick W. Chapman. An elementary algorithm for the automatic derivation and proof of tensor product identities via computer algebra. In Senda [Sen03], pages 50–57. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Chen:1989:CNF

[Che89] Guoting Chen. Computing the normal forms of matrices depending on parameters. In Gonnet [Gon89], pages 242–249. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989.

US\$29.00. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p242-chen/`. ACM order number: 505890. English and French.

Chen:1990:ACF

[Che90a] Guoting Chen. An algorithm for computing the formal solutions of differential systems in the neighborhood of an irregular singular point. In Watanabe and Nagata [WN90], pages 231–235. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p231-chen/`.

Cherief:1990:AMP

[Che90b] F. Cherief. An algebraic model for the parallel interpretation of equationally defined functions (abstract). In Watanabe and Nagata [WN90], page 285. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p285-cherief/`.

Cheze:2004:APF

[Chè04] Guillaume Chèze. Absolute polynomial factorization in two variables and the knapsack problem. In Gutierrez [Gut04], pages 87–94. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Chou:1990:ARG

[Cho90] Shang-Ching Chou. Automated reasoning in geometries using the characteristic set method and Gröbner basis method. In Watanabe and Nagata [WN90], pages 255–260. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p255-chou/`.

Cheng:2007:TSE

[CHT$^+$07] Howard Cheng, Guillaume Hanrot, Emmanuel Thomé, Paul Zimmermann, and Eugene Zima. Time-and space-efficient evaluation of some hypergeometric constants. In Brown [Bro07], pages 85–91. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Chistov:1997:PTA

[CIK97] Alexander Chistov, Gábor Ivanyos, and Marek Karpinski. Polynomial time algorithms for modules over finite dimensional

algebras. In Küchlin [Küc97], pages 68–74. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p68-chistov/.

Collins:1989:PRP

[CJ89a] G. E. Collins and J. R. Johnson. The probability of relative primality of Gaussian integers. In Gianni [Gia89], pages 252–258. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Collins:1989:QES

[CJ89b] G. E. Collins and J. R. Johnson. Quantifier elimination and the sign variation method for real root isolation. In Gonnet [Gon89], pages 264–271. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p264-collins/. ACM order number: 505890. English and French.

Corless:1997:SSL

[CJK97] Robert M. Corless, David J. Jeffrey, and Donald E. Knuth. A sequence of series for the Lambert W function. In Küchlin [Küc97], pages 197–204. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p197-corless/.

Chen:2013:DEO

[CJKS13] Shaoshi Chen, Maximilian Jaroschek, Manuel Kauers, and Michael F. Singer. Desingularization explains order-degree curves for ore operators. In Monagan et al. [MCG13], pages 157–164. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Char:1994:SEP

[CJSW94] B. Char, J. Johnson, D. Saunders, and A. P. Wack. Some experiments with parallel bignum arithmetic. In Hong [Hon94], pages 94–103. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Collins:1992:EAI

[CK92] George E. Collins and Werner Krandick. An efficient algorithm for infallible polynomial complex root isolation. In Wang [Wan92b], pages 189–194. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p189-collins/. ACM order number: 505920.

Collins:1993:HMH

[CK93]   George E. Collins and Werner Krandick. A hybrid method for high precision calculation of polynomial real roots. In Bronstein [Bro93], pages 47–52. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL `http://www.acm.org:80/pubs/citations/ proceedings/issac/164081/p47-collins/`. ACM order number: 505930.

Collins:1996:TMP

[CK96]   George E. Collins and Werner Krandick. A tangent-secant method for polynomial complex root calculation. In Lakshman Y. N. [Lak96], pages 137–141. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/ citations/proceedings/issac/236869/p137-collins/`.

Chtcherba:2000:CER

[CK00a]   Arthur D. Chtcherba and Deepak Kapur. Conditions for exact resultants using the Dixon formulation. In Traverso [Tra00], pages 62–70. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL `http://www.acm.org/pubs/articles/proceedings/issac/ 345542/p62-chtcherba/p62-chtcherba.pdf`; `http://www. acm.org/pubs/citations/proceedings/issac/345542/p62- chtcherba/`. ACM order number 505000.

Collins:2000:MFP

[CK00b]   George E. Collins and Werner Krandick. Multiprecision floating point addition. In Traverso [Tra00], pages 71–77. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL `http://www. acm.org/pubs/articles/proceedings/issac/345542/p71- collins/p71-collins.pdf`; `http://www.acm.org/pubs/ citations/proceedings/issac/345542/p71-collins/`. ACM order number 505000.

Chtcherba:2002:EOD

[CK02]   Arthur D. Chtcherba and Deepak Kapur. On the efficiency and optimality of Dixon-based resultant methods. In Mora [Mor02], pages 29–36. ISBN 1-58113-484-3. LCCN QA76.95. URL `http: //www.lifl.fr/ISSAC2002/`.

Chtcherba:2004:SHR

[CK04]   Arthur D. Chtcherba and Deepak Kapur. Support hull: relating the Cayley–Dixon resultant constructions to the support of a

polynomial system. In Gutierrez [Gut04], pages 95–102. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Chtcherba:2006:CDF

[CK06]   Arthur D. Chtcherba and Deepak Kapur. Conditions for determinantal formula for resultant of a polynomial system. In Trager [Tra06], pages 55–62. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Chen:2012:ODC

[CK12]   Shaoshi Chen and Manuel Kauers. Order-degree curves for hypergeometric creative telescoping. In van der Hoeven and van Hoeij [vdHvH12], pages 122–129. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Comer:2012:SPI

[CKP12]   Matthew T. Comer, Erich L. Kaltofen, and Clément Pernet. Sparse polynomial interpolation and Berlekamp/Massey algorithms that correct outlier errors in input values. In van der Hoeven and van Hoeij [vdHvH12], pages 138–145. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Chyzak:2009:NHS

[CKS09]   Frédéric Chyzak, Manuel Kauers, and Bruno Salvy. A nonholonomic systems approach to special function identities. In May [May09], pages 111–118. ISBN 1-60558-609-9. LCCN ????

Chen:2012:TRA

[CKS12]   Shaoshi Chen, Manuel Kauers, and Michael F. Singer. Telescopers for rational and algebraic functions via residues. In van der Hoeven and van Hoeij [vdHvH12], pages 130–137. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Canny:1989:SSN

[CKY89]   J. F. Canny, E. Kaltofen, and L. Yagati. Solving systems of non-linear polynomial equations faster. In Gonnet [Gon89], pages 121–128. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p121-canny/. ACM order number: 505890. English and French.

Cabay:1989:FRA

[CL89]   S. Cabay and G. Labahn. A fast, reliable algorithm for calculating Padé–Hermite forms. In Gonnet [Gon89], pages

95–100. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL `http://www.acm.org:80/pubs/citations/ proceedings/issac/74540/p95-cabay/`. ACM order number: 505890. English and French.

Calmet:1996:DIS

[CL96] Jacques Calmet and Carla Limongelli, editors. *Design and implementation of symbolic computation systems: International Symposium, DISCO '96, Karlsruhe, Germany, September 18–20, 1996: proceedings*, volume 1128 of *Lecture Notes in Computer Science*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1996. ISBN 3-540-61697-7 (softcover). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN QA76.9.S88I576 1996.

Cheng:2001:CAF

[CL01] Howard Cheng and George Labahn. Computing all factorizations in $\mathbf{Z}_N[x]$. In Mourrain [Mou01], pages 64–71. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Cheng:2006:CPG

[CL06] Howard Cheng and George Labahn. On computing polynomial GCDs in alternate bases. In Trager [Tra06], pages 47–54. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Cluzeau:2003:FDS

[Clu03] Thomas Cluzeau. Factorization of differential systems in characteristic p. In Senda [Sen03], pages 58–65. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Covic:1995:SFC

[CM95] V. Covic and S. Markovic. Symbolic form computation of the complete dynamics of robotic systems with the closed chains structure. In Aityan [Ait95], pages 125–128. ISBN 0-9640398-9-3, 0-9640398-8-5. LCCN QA76.87 .I58 1995.

Cesari:1996:PFA

[CM96a] G. Cesari and R. Maeder. Parallel 3-primes FFT algorithm. In Calmet and Limongelli [CL96], pages 174–182. ISBN 3-540-61697-7 (softcover). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN QA76.9.S88I576 1996.

Clark:1996:DOO

[CM96b]   K. L. Clark and F. G. McCabe. Distributed and object oriented symbolic programming in April. In Briot et al. [BGY96], pages 104–124. ISBN 3-540-61487-7 (softcover). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN QA76.64 .F7 1995.

Chen:2011:ACT

[CM11]   Changbo Chen and Marc Moreno Maza. Algorithms for computing triangular decompositions of polynomial systems. In Schost and Emiris [SE11], pages 83–90. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Char:1989:DIC

[CMS89]   B. W. Char, A. R. Macnaughton, and P. A. Strooper. Discovering inequality conditions in the analytical solutions of optimization problems. In Gianni [Gia89], pages 109–115. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Chen:2009:CCA

[CMXY09]   Changbo Chen, Marc Moreno Maza, Bican Xia, and Lu Yang. Computing cylindrical algebraic decomposition via triangular decomposition. In May [May09], pages 95–102. ISBN 1-60558-609-9. LCCN ????

Cremanns:1994:CCP

[CO94]   Robert Cremanns and Friedrich Otto. Constructing canonical presentations for subgroups of context-free groups in polynomial time-extended abstract. In ACM [ACM94], pages 147–153. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p147-cremanns/`.

Cioffi:2001:CMG

[CO01]   Francesca Cioffi and Ferruccio Orecchia. Computation of minimal generators of ideals of fat points. In Mourrain [Mou01], pages 72–76. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Codognet:1990:EDU

[Cod90]   P. Codognet. Equations, disequations and unsolvable subsets (abstract). In Watanabe and Nagata [WN90], page 289. ISBN

0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p289-codognet/`.

Codutti:1992:NNL

[Cod92]   M. Codutti. NODES: non linear ordinary differential equations solver. In Wang [Wan92b], pages 69–79. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL `http://www.acm.org:80/citations/proceedings/issac/143242/p69-codutti/`. ACM order number: 505920.

Cohn:2013:SES

[Coh13]   Henry Cohn. Solving equations with size constraints for the solutions. In Monagan et al. [MCG13], pages 1–2. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Colin:1997:RRP

[Col97]   Antoine Colin. Relative resolvents and partition tables in Galois group computations. In Küchlin [Küc97], pages 78–84. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p78-colin/`.

Cooperman:1986:SMC

[Coo86]   Gene Cooperman. A semantic matcher for computer algebra. In Char [Cha86b], pages 132–134. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p132-cooperman/`. ACM order no. 505860.

Cook:1992:CGA

[Coo92]   Grant O. Cook, Jr. Code generation in ALPAL using symbolic techniques. In Wang [Wan92b], pages 27–35. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p27-cook/`. ACM order number: 505920.

Cooperman:1995:SMB

[Coo95a]   G. Cooperman. STAR/MPI: Binding a parallel library to interactive symbolic algebra systems. In Levelt [Lev95], pages 126–132. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. ACM order number: 505950.

Cooperman:1995:SBP

[Coo95b]   Gene Cooperman. STAR/MPI: binding a parallel library to interactive symbolic algebra systems. In Levelt [Lev95], pages 126–132. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL http://www.acm.org:80/pubs/citations/ proceedings/issac/220346/p126-cooperman/. ACM order number: 505950.

Corless:1994:SAC

[Cor94]   Robert M. Corless. Sufficiency analysis for the calculus of variations. In ACM [ACM94], pages 197–204. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p197-corless/.

Cormier:2001:LSL

[Cor01]   Olivier Cormier. On Liouvillian solutions of linear differential equations of order 4 and 5. In Mourrain [Mou01], pages 93–100. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Cox:2007:GBS

[Cox07]   David A. Cox. Gröbner bases: a sampler of recent developments. In Brown [Bro07], pages 387–388. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Canny:1991:OCD

[CR91]   John Canny and J. Maurice Rojas. An optimal condition for determining the exact number of roots of a polynomial system. In Watt [Wat91], pages 96–102. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/ pubs/citations/proceedings/issac/120694/p96-canny/.

Char:1994:AIT

[CR94]   Bruce W. Char and Mark F. Russo. Automatic identification of time scales in enzyme kinetics models. In ACM [ACM94], pages 74–83. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL http://www.acm.org:80/pubs/ citations/proceedings/issac/190347/p74-char/.

Caboara:1997:FIS

[CR97]   Massimo Caboara and Lorenzo Robbiano. Families of ideals in
          statistics. In Küchlin [Küc97], pages 404–410. ISBN 0-89791-
          875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/`
          `citations/proceedings/issac/258726/p404-caboara/`.

Caboara:2001:FET

[CR01]   Massimo Caboara and Lorenzo Robbiano. Families of estimable
          terms. In Mourrain [Mou01], pages 56–63. ISBN 1-58113-417-7.
          LCCN QA76.95.I59 2001. ACM order number 505010.

Cooperman:2003:MBD

[CR03]   Gene Cooperman and Eric Robinson. Memory-based and disk-
          based algorithms for very high degree permutation groups.
          In Senda [Sen03], pages 66–73. ISBN 1-58113-641-2. LCCN
          QA76.95. ACM order number 505030.

Cannon:1997:CCC

[CS97]   John Cannon and Bernd Souvignier. On the computation
          of conjugacy classes in permutation groups. In Küchlin
          [Küc97], pages 392–399. ISBN 0-89791-875-4. LCCN
          QA76.95. URL `http://www.acm.org:80/pubs/citations/`
          `proceedings/issac/258726/p392-cannon/`.

Chen:2005:BBC

[CS05]   Zhuliang Chen and Arne Storjohann. A BLAS based C library
          for exact linear algebra on integer matrices. In Kauers [Kau05],
          pages 92–99. ISBN 1-59593-095-7. LCCN ???? ACM Order
          Number 505050.

Cormier:2000:CGG

[CSU00]   Olivier Cormier, Michael F. Singer, and Felix Ulmer. Com-
          puting the Galois group of a polynomial using linear differ-
          ential equations. In Traverso [Tra00], pages 78–85. ISBN 1-
          58113-218-2. LCCN QA76.95.I59 2000. URL `http://www.`
          `acm.org/pubs/articles/proceedings/issac/345542/p78-`
          `cormier/p78-cormier.pdf;` `http://www.acm.org/pubs/`
          `citations/proceedings/issac/345542/p78-cormier/`. ACM
          order number 505000.

Chen:2013:NVH

[CSV13]   Jingwei Chen, Damien Stehlé, and Gilles Villard. A new view on
          HJLS and PSLQ: sums and projections of lattices. In Monagan

et al. [MCG13], pages 149–156. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Cohen:1991:OES

[CT91] Ian Cohen and Karl-Erik E. Thylwe. Obtaining exact steady-state responses in driven undamped oscillators. In Watt [Wat91], pages 319–320. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p319-cohen/.

Cooperman:1996:NSP

[CT96] Gene Cooperman and Michael Tselman. New sequential and parallel algorithms for generating high dimension Hecke algebras using the condensation technique. In Lakshman Y. N. [Lak96], pages 155–160. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p155-cooperman/.

Caboara:1998:EAI

[CT98] Massimo Caboara and Carlo Traverso. Efficient algorithms for ideal operations (extended abstract). In Gloor [Glo98], pages 147–152. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL http://www.acm.org/pubs/citations/proceedings/issac/281508/p147-caboara/.

Cucker:2000:SPS

[Cuc00] Felipe Cucker. Solving polynomial systems: a complexity theory viewpoint. In Traverso [Tra00], page ?? ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL http://www.acm.org/pubs/citations/proceedings/issac/345542/p-cucker/. ACM order number 505000.

Cha:2009:LSI

[CvH09] Yongjae Cha and Mark van Hoeij. Liouvillian solutions of irreducible linear difference equations. In May [May09], pages 87–94. ISBN 1-60558-609-9. LCCN ????

Cha:2010:SRR

[CvHL10] Yongjae Cha, Mark van Hoeij, and Giles Levy. Solving recurrence relations using local invariants. In Watt [Wat10], pages 303–309. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Cheng:2000:AME

[CZ00] Howard Cheng and Eugene Zima. On accelerated methods to evaluate sums of products of rational numbers. In Traverso [Tra00], pages 54–61. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL http://www.acm.org/pubs/articles/proceedings/issac/345542/p54-cheng/p54-cheng.pdf; http://www.acm.org/pubs/citations/proceedings/issac/345542/p54-cheng/. ACM order number 505000.

Czapor:1991:HSS

[Cza91] S. R. Czapor. A heuristic selection strategy for lexicographic Gröbner bases? In Watt [Wat91], pages 39–48. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p39-czapor/.

Dahan:2009:SCL

[Dah09] Xavier Dahan. Size of coefficients of lexicographical Gröbner bases: the zero-dimensional, radical and bivariate case. In May [May09], pages 119–126. ISBN 1-60558-609-9. LCCN ????

Dalmas:1992:PFL

[Dal92] Stéphane Dalmas. A polymorphic functional language applied to symbolic computation. In Wang [Wan92b], pages 369–375. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p369-dalmas/. ACM order number: 505920.

Datta:2003:UCA

[Dat03] Ruchira S. Datta. Using computer algebra to find Nash equilibria. In Senda [Sen03], pages 74–79. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Davenport:1992:PTR

[Dav92] J. H. Davenport. Primality testing revisited. In Wang [Wan92b], pages 123–129. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p123-davenport/. ACM order number: 505920.

Deng:2005:CBR

[DCS05]   Jiansong Deng, Falai Chen, and Liyong Shen. Computing μ-bases of rational curves and surfaces using polynomial matrix factorization. In Kauers [Kau05], pages 132–139. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Deprit:1989:MPS

[DD89a]   A. Deprit and E. Deprit. Massively parallel symbolic computation. In Gonnet [Gon89], pages 308–316. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p308-deprit/`. ACM order number: 505890. English and French.

Dicrescenzo:1989:AEA

[DD89b]   C. Dicrescenzo and D. Duval. Algebraic extensions and algebraic closure in Scratchpad II. In Gianni [Gia89], pages 440–446. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

DeFeo:2013:FAA

[DDS13]   Luca De Feo, Javad Doliskani, and Eric Schost. Fast algorithms for l-adic towers over finite fields. In Monagan et al. [MCG13], pages 165–172. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

DAndrea:2001:HSR

[DE01]   Carlos D'Andrea and Ioannis Z. Emiris. Hybrid sparse resultant matrices for bivariate systems. In Mourrain [Mou01], pages 24–31. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Dickenstein:2002:MRM

[DE02]   Alicia Dickenstein and Ioannis Z. Emiris. Multihomogeneous resultant matrices. In Mora [Mor02], pages 46–54. ISBN 1-58113-484-3. LCCN QA76.95. URL `http://www.lifl.fr/ISSAC2002/`.

Dickenstein:2013:CDR

[DEF13]   Alicia Dickenstein, Ioannis Z. Emiris, and Vissarion Fisikopoulos. Combinatorics of 4-dimensional resultant polytopes. In Monagan et al. [MCG13], pages 173–180. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Diochnos:2007:CRS

[DET07]   Dimitrios I. Diochnos, Ioannis Z. Emiris, and Elias P. Tsigaridas. On the complexity of real solving bivariate systems. In Brown [Bro07], pages 127–134. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Devitt:1989:UCA

[Dev89]   J. S. Devitt. Unleashing computer algebra on the mathematics curriculum. In Gonnet [Gon89], pages 218–227. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. ACM order number: 505890. English and French.

Dewar:1989:IIS

[Dew89]   M. C. Dewar. IRENA: an integrated symbolic and numerical computation environment. In Gonnet [Gon89], pages 171–179. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. ACM order number: 505890. English and French.

Dewar:1992:UCA

[Dew92]   Michael C. Dewar. Using computer algebra to select numerical algorithms. In Wang [Wan92b], pages 1–8. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p1-dewar/. ACM order number: 505920.

Dingle:1994:BCC

[DF94]   Adam Dingle and Richard J. Fateman. Branch cuts in computer algebra. In ACM [ACM94], pages 250–257. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p250-dingle/.

Doffou:1995:SCD

[DG95]   M. J. Doffou and R. L. Grossman. The symbolic computation of differential invariants of polynomial vector field systems using trees. In Levelt [Lev95], pages 26–31. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p26-doffou/. ACM order number: 505950.

Graaf:1997:CFM

[dG97]   W. A. de Graaf. Constructing faithful matrix representations of Lie algebras. In Küchlin [Küc97], pages 54–59. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p54-de_graaf/.

Dumas:2002:FFL

[DGP02]   Jean Guillaume Dumas, Thierry Gautier, and Clément Pernet. Finite field linear algebra subroutines. In Mora [Mor02], pages 63–74. ISBN 1-58113-484-3. LCCN QA76.95. URL http://www.lifl.fr/ISSAC2002/.

Dumas:2004:FFF

[DGP04]   Jean-Guillaume Dumas, Pascal Giorgi, and Clément Pernet. FFPACK: finite field linear algebra package. In Gutierrez [Gut04], pages 119–126. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Dalmas:1994:DCA

[DGS94]   S. Dalmas, M. Gaetano, and A. Sausse. Distributed computer algebra: the central control approach. In Hong [Hon94], pages 104–113. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Dolzmann:1998:APQ

[DGS98]   Andreas Dolzmann, Oliver Gloor, and Thomas Sturm. Approaches to parallel quantifier elimination. In Gloor [Glo98], pages 88–95. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL http://www.acm.org/pubs/citations/proceedings/issac/281508/p88-dolzmann/.

Davenport:1991:SVA

[DGT91]   J. H. Davenport, P. Gianni, and B. M. Trager. Scratchpad's view of algebra. II. A categorical view of factorization. In Watt [Wat91], pages 32–38. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p32-davenport/.

Dalmas:1997:OI

[DGW97]   Stéphane Dalmas, Marc Gaëtano, and Stephen Watt. An OpenMath 1.0 implementation. In Küchlin [Küc97], pages 241–248. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p241-dalmas/.

deGraaf:1999:CBF

[dGW99]   W. A. de Graaf and J. Wisliceny. Constructing bases of finitely presented Lie algebras using Gröbner bases in free algebras. In Dooley [Doo99], pages 37–43. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL http://www.acm.org/pubs/contents/proceedings/issac/309831/.

Din:2008:CGO

[Din08]   Mohab Safey El Din. Computing the global optimum of a multivariate polynomial over the reals. In Jeffrey [Jef08], pages 71–78. ISBN 1-59593-904-0. LCCN ????

deJager:1991:SCZ

[dJ91]   Bram de Jager. Symbolic calculation of zero dynamics for nonlinear control systems. In Watt [Wat91], pages 321–322. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p321-de_jager/.

DeBosschere:1994:LCB

[DJ94]   K. De Bosschere and J.-M. Jacquet. Local and conditional blackboard operations in log: Semantics, applicability, and implementation. In Hong [Hon94], pages 34–43. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Dimitrova:2007:GFM

[DJLS07]   Elena S. Dimitrova, Abdul Salam Jarrah, Reinhard Laubenbacher, and Brandilyn Stigler. A Gröbner fan method for biochemical network modeling. In Brown [Bro07], pages 122–126. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Diaz:1995:CGC

[DK95]   Angel Díaz and Erich Kaltofen. On computing greatest common divisors with polynomials given by black boxes for their evaluations. In Levelt [Lev95], pages 232–239. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p232-diaz/. ACM order number: 505950.

Diaz:1998:FSM

[DK98]   Angel Díaz and Erich Kaltofen. FOXBOX: a system from manipulating symbolic objects in black box representation. In

Gloor [Glo98], pages 30–37. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL http://www.acm.org/pubs/citations/proceedings/issac/281508/p30-diaz/.

Dunstan:1998:LFM

[DKLM98] Martin Dunstan, Tom Kelsey, Steve Linton, and Ursula Martin. Lightweight formal methods for computer algebra systems. In Gloor [Glo98], pages 80–87. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL http://www.acm.org/pubs/citations/proceedings/issac/281508/p80-dunstan/.

deKleine:2005:ANM

[dKMW05] Jennifer de Kleine, Michael Monagan, and Allan Wittkopf. Algorithms for the non-monic case of the sparse modular GCD algorithm. In Kauers [Kau05], pages 124–131. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Diaz:1991:DSD

[DKS+91] A. Diaz, E. Kaltofen, K. Schmitz, T. Valente, M. Hitz, A. Lobo, and P. Smyth. DSC: a system for distributed symbolic computation. In Watt [Wat91], pages 323–332. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p323-diaz/.

Dora:2001:HC

[DMMRY01] Jean Della Dora, Aude Maignan, Mihaela Mirica-Ruse, and Sergio Yovine. Hybrid computation. In Mourrain [Mou01], pages 101–108. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

DelPozo-Prieto:1994:ISP

[DMN94] A. Del Pozo-Prieto and J. J. Moreno-Navarro. Independent subexpressions parallelism with delayed synchronization for functional logic languages. In Hong [Hon94], pages 316–325. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Daouda:2008:CTN

[DMR08] Diatta Niang Daouda, Bernard Mourrain, and Olivier Ruatta. On the computation of the topology of a non-reduced implicit space curve. In Jeffrey [Jef08], pages 47–54. ISBN 1-59593-904-0. LCCN ????

Dahan:2005:LTT

[DMS⁺05]   Xavier Dahan, Marc Moreno Maza, Eric Schost, Wenyuan Wu, and Yuzhen Xie. Lifting techniques for triangular decompositions. In Kauers [Kau05], pages 108–115. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Dooley:1998:CMC

[Doo98]   Samuel S. Dooley. Coordinating mathematical content and presentation markup in interactive mathematical documents. In Gloor [Glo98], pages 54–61. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL http://www.acm.org/pubs/citations/proceedings/issac/281508/p54-dooley/.

Dooley:1999:IJS

[Doo99]   Sam Dooley, editor. *ISSAC 99: July 29–31, 1999, Simon Fraser University, Vancouver, BC, Canada: proceedings of the 1999 International Symposium on Symbolic and Algebraic Computation.* ACM Press, New York, NY 10036, USA, 1999. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999.

Dooley:2002:EMC

[Doo02]   Samuel S. Dooley. Editing mathematical content and presentation markup in interactive mathematical documents. In Mora [Mor02], pages 55–62. ISBN 1-58113-484-3. LCCN QA76.95. URL http://www.lifl.fr/ISSAC2002/.

Doye:1999:ACA

[Doy99]   Nicolas J. Doye. Automated coercion for Axiom. In Dooley [Doo99], pages 229–235. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL http://www.acm.org/pubs/contents/proceedings/issac/309831/.

Daberkow:1995:CRE

[DP95]   M. Daberkow and M. Pohst. Computations with relative extensions of number fields with an application to the construction of Hilbert class fields. In Levelt [Lev95], pages 68–76. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p68-daberkow/. ACM order number: 505950.

Dridi:2007:TNO

[DP07]   Raouf Dridi and Michel Petitot. Towards a new ODE solver based on Cartan's equivalence method. In Brown [Bro07],

pages 135–142. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Dumas:2009:FMC

[DPS09]   Jean-Guillaume Dumas, Clément Pernet, and B. David Saunders. On finding multiplicities of characteristic polynomial factors of black-box matrices. In May [May09], pages 135–142. ISBN 1-60558-609-9. LCCN ????

Dumas:2013:SCR

[DPS13]   Jean-Guillaume Dumas, Clément Pernet, and Ziad Sultan. Simultaneous computation of the row and column rank profiles. In Monagan et al. [MCG13], pages 181–188. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Dumas:2005:ECC

[DPW05]   Jean-Guillaume Dumas, Clément Pernet, and Zhendong Wan. Efficient computation of the characteristic polynomial. In Kauers [Kau05], pages 140–147. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Davenport:1986:PSM

[DR86]   J. H. Davenport and C. E. Roth. PowerMath: a system for the Macintosh. In Char [Cha86b], pages 13–15. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p13-davenport/. ACM order no. 505860.

Dominguez:2001:MIC

[DR01]   César Domínguez and Julio Rubio. Modeling inheritance as coercion in a symbolic computation system. In Mourrain [Mou01], pages 109–115. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Dora:1997:ANA

[DRJ97]   J. Della Dora and F. Richard-Jung. About the Newton algorithm for non-linear ordinary differential equations. In Küchlin [Küc97], pages 298–304. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p298-dora/.

Denzinger:1994:RAP

[DS94]   J. Denzinger and S. Schulz. Recording, analyzing and presenting distributed deduction processes. In Hong [Hon94], pages 114–123. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Dolzmann:1997:GEP

[DS97]   Andreas Dolzmann and Thomas Sturm. Guarded expressions in practice. In Küchlin [Küc97], pages 376–383. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p376-dolzmann/`.

Dolzmann:1999:ACS

[DS99]   Andreas Dolzmann and Thomas Sturm. *P*-adic constraint solving. In Dooley [Doo99], pages 151–158. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL `http://www.acm.org/pubs/contents/proceedings/issac/309831/`.

Din:2003:PVC

[DS03]   Mohab Safey El Din and Éric Schost. Polar varieties and computation of one point in each connected component of a smooth real algebraic set. In Senda [Sen03], pages 224–231. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Dahan:2004:SET

[DS04]   Xavier Dahan and Éric Schost. Sharp estimates for triangular sets. In Gutierrez [Gut04], pages 103–110. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Dolzmann:2004:EPO

[DSS04]   Andreas Dolzmann, Andreas Seidl, and Thomas Sturm. Efficient projection orders for CAD. In Gutierrez [Gut04], pages 111–118. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Dumas:2000:ISF

[DSV00]   Jean-Guillaume Dumas, B. David Saunders, and Gilles Villard. Integer Smith form via the valence: experience with large sparse matrices from homology. In Traverso [Tra00], pages 95–105. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL `http://www.acm.org/pubs/articles/proceedings/issac/345542/p95-dumas/p95-dumas.pdf`; `http://www.acm.org/pubs/citations/proceedings/issac/345542/p95-dumas/`. ACM order number 505000.

Dora:1986:FSL

[DT86]   J. Della Dora and E. Tournier. Formal solutions of linear difference equations: method of Pincherle–Ramis. In Char [Cha86b], pages 192–196. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p192-della_dora/. ACM order no. 505860.

Du:1994:ISA

[Du94]   Hong Du. On the isomorphisms of smooth algebraic curves. In ACM [ACM94], pages 15–19. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p15-du/.

Dumas:2008:QAT

[Dum08]   Jean-Guillaume Dumas. Q-adic transform revisited. In Jeffrey [Jef08], pages 63–70. ISBN 1-59593-904-0. LCCN ????

Debeerst:2008:SDE

[DvHK08]   Ruben Debeerst, Mark van Hoeij, and Wolfram Koepf. Solving differential equations in terms of Bessel functions. In Jeffrey [Jef08], pages 39–46. ISBN 1-59593-904-0. LCCN ????

Doleh:1990:SSI

[DW90]   Y. Doleh and P. S. Wang. SUI: a system independent user interface for an integrated scientific computing environment. In Watanabe and Nagata [WN90], pages 88–95. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95.I57 1990. URL http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p88-doleh/.

Dolzmann:2000:LQE

[DW00]   Andreas Dolzmann and Volker Weispfenning. Local quantifier elimination. In Traverso [Tra00], pages 86–94. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL http://www.acm.org/pubs/articles/proceedings/issac/345542/p86-dolzmann/p86-dolzmann.pdf; http://www.acm.org/pubs/citations/proceedings/issac/345542/p86-dolzmann/▮. ACM order number 505000.

Dyer:1994:ASC

[Dye94]   Charles C. Dyer. An application of symbolic computation in the physical sciences. In ACM [ACM94], pages 181–186. ISBN 0-

89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p181-dyer/`.

Dayton:2005:CMS

[DZ05] Barry H. Dayton and Zhonggang Zeng. Computing the multiplicity structure in solving polynomial systems. In Kauers [Kau05], pages 116–123. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Eberly:1997:PEP

[Ebe97] Wayne Eberly. Processor-efficient parallel matrix inversion over abstract fields: two extensions. In Küchlin [Küc97], pages 38–45. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/266670/p38-eberly/`.

Eberly:2000:BBF

[Ebe00] Wayne Eberly. Black box Frobenius decompositions over small fields. In Traverso [Tra00], pages 106–113. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL `http://www.acm.org/pubs/articles/proceedings/issac/345542/p106-eberly/p106-eberly.pdf`; `http://www.acm.org/pubs/citations/proceedings/issac/345542/p106-eberly/`. ACM order number 505000.

Eberly:2003:ETS

[Ebe03] Wayne Eberly. Early termination over small fields. In Senda [Sen03], pages 80–87. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Eberly:2004:RKB

[Ebe04] Wayne Eberly. Reliable Krylov-based algorithms for matrix null space and rank. In Gutierrez [Gut04], pages 127–134. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Eberly:2010:YAB

[Ebe10] Wayne Eberly. Yet another block Lanczos algorithm: how to simplify the computation and reduce reliance on preconditioners in the small field case. In Watt [Wat10], pages 289–296. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Emiris:1993:PMS

[EC93] Ioannis Emiris and John Canny. A practical method for the sparse resultant. In Bronstein [Bro93], pages 183–192. ISBN 0-

89791-604-2. LCCN QA 76.95 I59 1993. URL http://www.acm.
org:80/pubs/citations/proceedings/issac/164081/p183-
emiris/. ACM order number: 505930.

Edneral:1993:CGN

[Edn93]   Victor F. Edneral.   Computer generation of normalizing
transformation for systems of nonlinear ODE. In Bronstein
[Bro93], pages 14–19. ISBN 0-89791-604-2. LCCN QA 76.95
I59 1993.   URL http://www.acm.org:80/pubs/citations/
proceedings/issac/164081/p14-edneral/. ACM order num-
ber: 505930.

Edneral:1997:CEC

[Edn97]   Victor F. Edneral. Computer evaluation of cyclicity in pla-
nar cubic system. In Küchlin [Küc97], pages 305–309. ISBN
0-89791-875-4.   LCCN QA76.95.   URL http://www.acm.
org:80/pubs/citations/proceedings/issac/258726/p305-
edneral/.

Einwohner:1989:MPG

[EF89]   T. H. Einwohner and R. J. Fateman. A MACSYMA pack-
age for the generation and manipulation of Chebyshev se-
ries. In Gonnet [Gon89], pages 180–185. ISBN 0-89791-325-6.
LCCN QA76.95.I59 1989. US$29.00. URL http://www.acm.
org:80/pubs/citations/proceedings/issac/74540/p180-
einwohner/. ACM order number: 505890. English and French.

Einwohner:1995:STI

[EF95]   T. H. Einwohner and Richard J. Fateman. Searching techniques
for integral tables. In Levelt [Lev95], pages 133–139. ISBN 0-
89791-699-9. LCCN QA 76.95 I59 1995. URL http://www.acm.
org:80/pubs/citations/proceedings/issac/220346/p133-
einwohner/. ACM order number: 505950.

Eberly:1996:EDA

[EG96]   W. Eberly and M. Giesbrecht.   Efficient decomposition
of associative algebras.   In Lakshman Y. N. [Lak96],
pages 170–178.   ISBN 0-89791-796-0.   LCCN QA 76.95
I59 1996.   URL http://www.acm.org:80/pubs/citations/
proceedings/issac/236869/p170-eberly/.

Elkadi:2007:STP

[EG07]   Mohamed Elkadi and André Galligo. Systems of three polyno-
mials with two separated variables. In Brown [Bro07], pages

159–166. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Eberly:2006:SSR

[EGG⁺06] Wayne Eberly, Mark Giesbrecht, Pascal Giorgi, Arne Storjohann, and Gilles Villard. Solving sparse rational linear systems. In Trager [Tra06], pages 63–70. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Eberly:2007:FIO

[EGG⁺07] Wayne Eberly, Mark Giesbrecht, Pascal Giorgi, Arne Storjohann, and Gilles Villard. Faster inversion and other black box matrix computations using efficient block projections. In Brown [Bro07], pages 143–150. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Elkadi:2004:PSH

[EGL04] Mohamed Elkadi, André Galligo, and Thi Ha Lê. Parametrized surfaces in huge P^3 of bidegree $(1, 2)$. In Gutierrez [Gut04], pages 141–148. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Elsheikh:2012:FCS

[EGNS12] Mustafa Elsheikh, Mark Giesbrecht, Andy Novocin, and B. David Saunders. Fast computation of Smith forms of sparse matrices over local rings. In van der Hoeven and van Hoeij [vdHvH12], pages 146–153. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Emiris:2010:RPE

[EGT10] Ioannis Z. Emiris, André Galligo, and Elias P. Tsigaridas. Random polynomials and expected complexity of bisection methods for real solving. In Watt [Wat10], pages 235–242. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Estevez:1995:CAE

[EK95] L. W. Estevez and N. D. Kehtarnavaz. Computer assisted enhancement of mammograms for detection of microcalcifications. In IEEE [IEE95], pages 16–23. ISBN 0-8186-7117-3. LCCN R858.A2 I155 1995. IEEE catalog number 95CH35813.

Eberly:1997:RLA

[EK97] Wayne Eberly and Erich Kaltofen. On randomized Lanczos algorithms. In Küchlin [Küc97], pages 176–183. ISBN 0-89791-

875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p176-eberly/`.

Erlingsson:1996:GGO

[EKM96] Úlfar Erlingsson, Erich Kaltofen, and David Musser. Generic Gram–Schmidt orthogonalization by exact division. In Lakshman Y. N. [Lak96], pages 275–282. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p275-erlingsson/`.

Eigenwillig:2007:FEG

[EKW07] Arno Eigenwillig, Michael Kerber, and Nicola Wolpert. Fast and exact geometric analysis of real algebraic plane curves. In Brown [Bro07], pages 151–158. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

ElDin:2013:CPM

[El 13] Mohab Safey El Din. Critical point methods and effective real algebraic geometry: new results and trends. In Monagan et al. [MCG13], pages 5–6. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Elkadi:1999:NAG

[EM99] Mohamed Elkadi and Bernard Mourrain. A new algorithm for the geometric decomposition of a variety. In Dooley [Doo99], pages 9–16. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL `http://www.acm.org/pubs/contents/proceedings/issac/309831/`.

Emiris:2009:MRF

[EM09] Ioannis Z. Emiris and Angelos A. Mantzaflaris. Multihomogeneous resultant formulae for systems with scaled support. In May [May09], pages 143–150. ISBN 1-60558-609-9. LCCN ????

Emiris:2010:DBM

[EMT10] Ioannis Z. Emiris, Bernard Mourrain, and Elias P. Tsigaridas. The DMM bound: multivariate (aggregate) separation bounds. In Watt [Wat10], pages 243–250. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Encarnacion:1994:MAC

[Enc94] Mark J. Encarnación. On a modular algorithm for computing GCDs of polynomials over algebraic number fields. In

ACM [ACM94], pages 58–65. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p58-encarnacion/.

Encarnacion:1997:ANM

[Enc97a] Mark J. Encarnación. The average number of modular factors in Trager's polynomial factorization algorithm. In Küchlin [Küc97], pages 278–281. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p278-encarnacion/.

Encarnacion:1997:FPA

[Enc97b] Mark J. Encarnación. Factoring polynomials over algebraic number fields via norms. In Küchlin [Küc97], pages 265–270. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p265-encarnacion/.

Emiris:1997:SSR

[EP97] Ioanis Z. Emiris and Victor Y. Pan. The structure of sparse resultant matrices. In Küchlin [Küc97], pages 189–196. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p189-emiris/.

Egner:1998:SPR

[EP98] Sebastian Egner and Markus Püschel. Solving puzzles related to permutation groups. In Gloor [Glo98], pages 186–193. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL http://www.acm.org/pubs/citations/proceedings/issac/281508/p186-egner/.

Eder:2011:SBA

[EP11] Christian Eder and John Edward Perry. Signature-based algorithms to compute Gröbner bases. In Schost and Emiris [SE11], pages 99–106. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Egner:1997:DPC

[EPB97] Sebastian Egner, Markus Püschel, and Thomas Beth. Decomposing a permutation into a conjugated tensor product. In Küchlin [Küc97], pages 101–108. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p101-egner/.

Edelsbrunner:1989:TPS

[EPW89]   H. Edelsbrunner, F. P. Preparata, and D. B. West. Tetrahedriz-
            ing point sets in three dimensions. In Gianni [Gia89], pages
            315–331. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Con-
            ference held jointly with AAECC-6.

Emiris:1994:MBP

[ER94]   Ioannis Z. Emiris and Ashutosh Rege. Monomial bases and
            polynomial system solving (extended abstract). In ACM
            [ACM94], pages 114–122. ISBN 0-89791-638-7. LCCN
            QA76.95.I59 1994. URL http://www.acm.org:80/pubs/
            citations/proceedings/issac/190347/p114-emiris/.

Eder:2013:SRG

[ER13]   Christian Eder and Bjarke Hammersholt Roune. Signature
            rewriting in Gröbner basis computation. In Monagan et al.
            [MCG13], pages 331–338. ISBN 1-4503-2059-7. LCCN QA76.95
            .I59 2013.

Eriksson:2004:TIH

[Eri04]   Nicholas Eriksson. Toric ideals of homogeneous phylogenetic
            models. In Gutierrez [Gut04], pages 149–154. ISBN 1-58113-
            827-X. LCCN QA76.95 .I57 2004.

Emeliyanenko:2012:CSB

[ES12]   Pavel Emeliyanenko and Michael Sagraloff. On the complexity
            of solving a bivariate polynomial system. In van der Hoeven
            and van Hoeij [vdHvH12], pages 154–161. ISBN 1-4503-1269-1.
            LCCN QA76.95 .I59 2012.

Eigenwillig:2006:ATR

[ESY06]   Arno Eigenwillig, Vikram Sharma, and Chee K. Yap. Almost
            tight recursion tree bounds for the Descartes method. In Trager
            [Tra06], pages 71–78. ISBN 1-59593-276-3. LCCN ???? ACM
            order number 505060.

Farcot:2006:SNA

[Far06]   Etienne Farcot. Symbolic numeric analysis of attractors in ran-
            domly generated piecewise affine models of gene networks. In
            Trager [Tra06], pages 79–86. ISBN 1-59593-276-3. LCCN ????
            ACM order number 505060.

Fateman:1981:CAN

[Fat81]   Richard J. Fateman. Computer algebra and numerical integra-
            tion. In Wang [Wan81], pages 228–232. ISBN 0-89791-047-
            8. LCCN QA155.7.E4 A28 1981. US$23.00. ACM order no.
            505810.

Fateman:1989:LTR

[Fat89a]   R. J. Fateman. Lookup tables, recurrences and complexity. In
            Gonnet [Gon89], pages 68–73. ISBN 0-89791-325-6. LCCN
            QA76.95.I59 1989. US$29.00. URL http://www.acm.org:80/
            pubs/citations/proceedings/issac/74540/p68-fateman/.
            ACM order number: 505890. English and French.

Fateman:1989:SSA

[Fat89b]   R. J. Fateman. Series solutions of algebraic and differential
            equations: a comparison of linear and quadratic algebraic con-
            vergence. In Gonnet [Gon89], pages 11–16. ISBN 0-89791-325-6.
            LCCN QA76.95.I59 1989. US$29.00. URL http://www.acm.
            org:80/pubs/citations/proceedings/issac/74540/p11-fateman/
            . ACM order number: 505890. English and French.

Fateman:1990:ATD

[Fat90]   R. J. Fateman. Advances and trends in the design and
            construction of algebraic manipulation systems. In Watan-
            abe and Nagata [WN90], pages 60–67. ISBN 0-89791-401-
            5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95
            .I57 1990. URL http://www.acm.org:80/pubs/citations/
            proceedings/issac/96877/p60-fateman/.

Fateman:1991:CRL

[Fat91]   Richard J. Fateman. Canonical representations in Lisp and
            applications to computer algebra systems. In Watt [Wat91],
            pages 360–369. ISBN 0-89791-437-6. LCCN QA 76.95
            I59 1991. URL http://www.acm.org:80/pubs/citations/
            proceedings/issac/120694/p360-fateman/.

Fateman:1992:HPG

[Fat92]   Richard Fateman. Honest plotting, global extrema, and inter-
            val arithmetic. In Wang [Wan92b], pages 216–223. ISBN 0-
            89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN
            QA76.95.I59 1992. URL http://www.acm.org:80/pubs/
            citations/proceedings/issac/143242/p216-fateman/. ACM
            order number: 505920.

Fateman:1996:SMS

[Fat96]   Richard J. Fateman. Symbolic mathematics system evaluators (extended abstract). In Lakshman Y. N. [Lak96], pages 86–94. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p86-fateman/`.

Fateman:1997:NSS

[Fat97]   Richard J. Fateman. Network servers for symbolic mathematics. In Küchlin [Küc97], pages 249–256. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p249-fateman/`.

Fateman:2003:HLP

[Fat03]   Richard Fateman. High-level proofs of mathematical programs using automatic differentiation, simplification, and some common sense. In Senda [Sen03], pages 88–94. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Faure:1990:MS

[Fau90]   C. Faure. A Meta simplifier. In Watanabe and Nagata [WN90], page 290. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p290-faure/`.

Faugere:1994:PGB

[Fau94]   J. C. Faugere. Parallelization of Gröbner basis. In Hong [Hon94], pages 124–132. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Faugere:2002:NEA

[Fau02]   Jean Charles Faugère. A new efficient algorithm for computing Gröbner bases without reduction to zero (F_5). In Mora [Mor02], pages 75–83. ISBN 1-58113-484-3. LCCN QA76.95. URL `http://www.lifl.fr/ISSAC2002/`.

Faugere:2009:IBC

[Fau09]   Jean-Charles Faugère. Interactions between computer algebra (Gröbner bases) and cryptology. In May [May09], pages 383–384. ISBN 1-60558-609-9. LCCN ????

Fee:1990:CCC

[Fee90]   G. J. Fee. Computation of Catalan's constant using Ramanujan's formula. In Watanabe and Nagata [WN90], pages 157–160. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p157-fee/.

Faugere:2010:CLR

[FES10]   Jean-Charles Faugère, Mohab Safey El Din, and Pierre-Jean Spaenlehauer. Computing loci of rank defects of linear matrices using Gröbner bases and applications to cryptology. In Watt [Wat10], pages 257–264. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Faugere:2012:CPG

[FES12]   Jean-Charles Faugère, Mohab Safey El Din, and Pierre-Jean Spaenlehauer. Critical points and Gröbner bases: the unmixed case. In van der Hoeven and van Hoeij [vdHvH12], pages 162–169. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Faugere:2013:CCG

[FEV13]   Jean-Charles Faugère, Mohab Safey El Din, and Thibaut Verron. On the complexity of computing Gröbner bases for quasi-homogeneous systems. In Monagan et al. [MCG13], pages 189–196. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Fernandez-Ferreiros:2000:MDW

[FFdlAGM00] Pilar Fernandez-Ferreiros and Maria de los Angeles Gomez-Molleda. A method for deciding whether the Galois group is abelian. In Traverso [Tra00], pages 114–120. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL http://www.acm.org/pubs/articles/proceedings/issac/345542/p114-fernandez-ferreiros/p114-fernandez-ferreiros.pdf; http://www.acm.org/pubs/citations/proceedings/issac/345542/p114-fernandez-ferreiros/. ACM order number 505000.

Fernandez-Ferreiros:2002:PSR

[FFGMGV02] P. Fernandez-Ferreiros, M. A. Gomez-Molleda, and L. Gonzalez-Vega. Partial solvability by radicals. In Mora [Mor02], pages 84–91. ISBN 1-58113-484-3. LCCN QA76.95. URL http://www.lifl.fr/ISSAC2002/.

Freire:1989:ASC

[FGPF89]   E. Freire, E. Gamero, E. Ponce, and L. G. Franquelo. An algorithm for symbolic computation of center manifolds. In Gianni [Gia89], pages 218–230. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Fortuna:2002:CTR

[FGPT02]   Elisabetta Fortuna, Patrizia Gianni, Paola Parenti, and Carlo Traverso. Computing the topology of real algebraic surfaces. In Mora [Mor02], pages 92–100. ISBN 1-58113-484-3. LCCN QA76.95. URL http://www.lifl.fr/ISSAC2002/.

Fortuna:2001:CRP

[FGT01]   Elisabetta Fortuna, Patrizia Gianni, and Barry Trager. Computation of the radical of polynomial ideals over fields of arbitrary characteristic. In Mourrain [Mou01], pages 116–120. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Fang:1997:WCI

[FH97]   Xin Gui Fang and George Havas. On the worst-case complexity of integer Gaussian elimination. In Küchlin [Küc97], pages 28–31. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p28-fang/.

Freeman:1986:SMP

[FIK86]   T. Freeman, G. Imirzian, and E. Kaltofen. A system for manipulating polynomials given by straight-line programs. In Char [Cha86b], pages 169–175. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p169-freeman/. ACM order no. 505860.

Fitch:1989:CRB

[Fit89]   J. Fitch. Can REDUCE be run in parallel? In Gonnet [Gon89], pages 155–162. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p155-fitch/. ACM order number: 505890. English and French.

Fitch:1990:DSR

[Fit90]   J. Fitch. A delivery system for REDUCE. In Watanabe and Nagata [WN90], pages 76–81. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p76-fitch/`.

Faradzev:1991:CPC

[FK91a]   I. A. Faradzev and M. H. Klin. Computer package for computations with coherent configurations. In Watt [Wat91], pages 219–223. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991.

Faradzev:1991:CCC

[FK91b]   I. A. Faradzev and M. H. Klin. For computations with coherent configurations. In Watt [Wat91], pages 219–223. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p219-faradzev/`.

Filatei:2006:ITF

[FLMS06]   Akpodigha Filatei, Xin Li, Marc Moreno Maza, and Éric Schost. Implementation techniques for fast polynomial arithmetic in a high-level programming environment. In Trager [Tra06], pages 93–100. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Fujise:1996:PDD

[FM96]   Tetsuro Fujise and Hirokazu Murao. Parallel distinct degree factorization algorithm. In Lakshman Y. N. [Lak96], pages 18–25. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p18-fujise/`.

Foursov:2001:CAC

[FM01]   Mikhail V. Foursov and Marc Moreno Maza. On computer-assisted classification of coupled integrable equations. In Mourrain [Mou01], pages 129–136. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Farzan:2006:SRF

[FM06]   Arash Farzan and J. Ian Munro. Succinct representation of finite abelian groups. In Trager [Tra06], pages 87–92. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Faugere:2011:FAC

[FM11] Jean-Charles Faugère and Chenqi Mou. Fast algorithm for change of ordering of zero-dimensional Gröbner bases with sparse multiplication matrices. In Schost and Emiris [SE11], pages 115–122. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Faugere:2008:CPT

[FMRD08] Jean-Charles Faugère, Guillaume Moroz, Fabrice Rouillier, and Mohab Safey El Din. Classification of the perspective-three-point problem, discriminant variety and real solving polynomial systems of inequalities. In Jeffrey [Jef08], pages 79–86. ISBN 1-59593-904-0. LCCN ????

Fujimura:1997:MSS

[FN97] Masayo Fujimura and Kiyoko Nishizawa. Moduli spaces and symmetry loci of polynomial maps. In Küchlin [Küc97], pages 342–348. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p342-fujimura/`.

Fitch:1986:AIA

[FNM86] J. Fitch, A. Norman, and M. A. Moore. Alkahest III: automatic analysis of periodic weakly nonlinear ODEs. In Char [Cha86b], pages 34–38. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p34-fitch/`. ACM order no. 505860.

Fortune:2001:PRF

[For01] Steven Fortune. Polynomial root finding using iterated eigenvalue computation. In Mourrain [Mou01], pages 121–128. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

FaugAre:2009:HOD

[FP09] Jean-Charles Faugère and Ludovic Perret. High order derivatives and decomposition of multivariate polynomials. In May [May09], pages 207–214. ISBN 1-60558-609-9. LCCN ????

Ferreira:1995:PAI

[FR95] Afonso Ferreira and Jose D. P. Rolim, editors. *Parallel algorithms for irregularly structured problems: second international workshop, IRREGULAR 95, Lyon, France, September*

4–6, 1995: proceedings, volume 980 of *Lecture Notes in Computer Science*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1995. CODEN LNCSD9. ISBN 3-540-60321-2. ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN QA76.642 .I59 1995.

FaugAre:2009:SSP

[FR09]   Jean-Charles Faugère and Sajjad Rahmany. Solving systems of polynomial equations with symmetries using SAGBI-Gröbner bases. In May [May09], pages 151–158. ISBN 1-60558-609-9. LCCN ????

Franova:1990:PIC

[Fra90]   M. Franová. PRECOMAS. An implementation of constructive matching methodology. In Watanabe and Nagata [WN90], pages 16–23. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p16-franova/.

Fredet:2000:LDE

[Fre00]   Anne Fredet. Linear differential equations, iterative logarithms and orderings on monomial differential extensions. In Traverso [Tra00], pages 121–128. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL http://www.acm.org/pubs/articles/proceedings/issac/345542/p121-fredet/p121-fredet.pdf; http://www.acm.org/pubs/citations/proceedings/issac/345542/p121-fredet/. ACM order number 505000.

Fredet:2003:FLD

[Fre03]   Anne Fredet. Factorization of linear differential operators in exponential extensions. In Senda [Sen03], pages 103–110. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Frandsen:2004:RSE

[FS04]   Gudmund S. Frandsen and Igor E. Shparlinski. On reducing a system of equations to a single equation. In Gutierrez [Gut04], pages 163–166. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Feo:2009:FAA

[FS09]   Luca De Feo and Éric Schost. Fast arithmetics in Artin–Schreier towers over finite fields. In May [May09], pages 127–134. ISBN 1-60558-609-9. LCCN ????

Faugere:2012:SPS

[FS12]   Jean-Charles Faugère and Jules Svartz. Solving polynomial systems globally invariant under an action of the symmetric group and application to the equilibria of N vortices in the plane. In van der Hoeven and van Hoeij [vdHvH12], pages 170–178. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Faugere:2013:GBI

[FS13]   Jean-Charles Faugere and Jules Svartz. Gröbner bases of ideals invariant under a commutative group: the non-modular case. In Monagan et al. [MCG13], pages 347–354. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Feng:2004:RGS

[FsG04]   Ruyong Feng and Xiao shan Gao. Rational general solutions of algebraic ordinary differential equations. In Gutierrez [Gut04], pages 155–162. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Furukawa:1986:GBM

[FSK86]   A. Furukawa, T. Sasaki, and H. Kobayashi. The Gröbner basis of a module over KUX1,...,Xne and polynomial solutions of a system of linear equations. In Char [Cha86b], pages 222–224. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p222-furukawa/`. ACM order no. 505860.

Fateman:2003:CCR

[FT03]   Richard J. Fateman and Raymond Toy. Converting call-by-reference to call-by-value: Fortran and Lisp coexisting. In Senda [Sen03], pages 95–102. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Fukuda:2008:EAS

[Fuk08]   Komei Fukuda. Exact algorithms and software in optimization and polyhedral computation. In Jeffrey [Jef08], pages 333–334. ISBN 1-59593-904-0. LCCN ????

Fang:2011:DSO

[FvH11]   Tingting Fang and Mark van Hoeij. 2-descent for second order linear differential equations. In Schost and Emiris [SE11], pages 107–114. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Faugere:2010:DGM

[FvzGP10]   Jean-Charles Faugère, Joachim von zur Gathen, and Ludovic Perret. Decomposition of generic multivariate polynomials. In Watt [Wat10], pages 131–137. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Gates:1986:NCG

[Gat86]   Barbara L. Gates. A numerical code generation facility for RE-DUCE. In Char [Cha86b], pages 94–99. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p94-gates/`. ACM order no. 505860.

Gatemann:1990:SSP

[Gat90a]   K. Gatemann. Symbolic solution polynomial equation systems with symmetry. In Watanabe and Nagata [WN90], pages 112–119. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p112-gatemann/`.

Gatermann:1990:SSP

[Gat90b]   K. Gatermann. Symbolic solution of polynomial equation systems with symmetry. In Watanabe and Nagata [WN90], pages 112–119. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990.

Gatermann:1991:MSS

[Gat91]   Karin Gatermann. Mixed symbolic-numeric solution of symmetrical nonlinear systems. In Watt [Wat91], pages 431–432. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p431-gatermann/`.

Gao:1991:CPE

[GC91]   Xiao-Shan Gao and Shang-Ching Chou. Computations with parametric equations. In Watt [Wat91], pages 122–127. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p122-gao/`.

Gao:1992:SPA

[GC92]   Xiao-Shan Gao and Shang-Ching Chou. Solving parametric
             algebraic systems. In Wang [Wan92b], pages 335–341. ISBN 0-
             89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN
             QA76.95.I59 1992.   URL http://www.acm.org:80/pubs/
             citations/proceedings/issac/143242/p335-gao/. ACM or-
             der number: 505920.

Godlevsky:1993:PPA

[GD93]   A. B. Godlevsky and A. E. Doroshenko. Parallelizing programs
             with APS. In Bronstein [Bro93], pages 55–62. ISBN 0-89791-
             604-2. LCCN QA 76.95 I59 1993. URL http://www.acm.
             org:80/pubs/citations/proceedings/issac/164081/p55-
             godlevsky/. ACM order number: 505930.

Greuet:2011:DRI

[GE11]   Aurélien Greuet and Mohab Safey El Din. Deciding reachability
             of the infimum of a multivariate polynomial. In Schost and
             Emiris [SE11], pages 131–138. ISBN 1-4503-0675-6. LCCN
             QA76.95 .I59 2011.

Geddes:1986:NIS

[Ged86]   K. O. Geddes. Numerical integration in a symbolic context.
             In Char [Cha86b], pages 185–191. ISBN 0-89791-199-7 (paper-
             back). LCCN QA155.7.E4 A281 1986. URL http://www.acm.
             org:80/pubs/citations/proceedings/issac/32439/p185-
             geddes/. ACM order no. 505860.

Gemignani:1997:GPB

[Gem97]   Luca Gemignani. GCD of polynomials and Bézout matrices. In
             Küchlin [Küc97], pages 271–277. ISBN 0-89791-875-4. LCCN
             QA76.95.   URL http://www.acm.org:80/pubs/citations/
             proceedings/issac/258726/p271-gemignani/.

Gemignani:2001:GGI

[Gem01]   Luca Gemignani. A generalized Graeffe's iteration for evaluat-
             ing polynomials and rational functions. In Mourrain [Mou01],
             pages 143–149. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001.
             ACM order number 505010.

Gemignani:2007:SMM

[Gem07]   Luca Gemignani. Structured matrix methods for polynomial
             root-finding. In Brown [Bro07], pages 175–180. ISBN 1-59593-

743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Gerhard:1998:HDS

[Ger98] Jürgen Gerhard. High degree solutions of low degree equations (extended abstract). In Gloor [Glo98], pages 284–289. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL `http://www.acm.org/pubs/citations/proceedings/issac/281508/p284-gerhard/`.

Gerhard:2010:AFA

[Ger10] Jürgen Gerhard. Asymptotically fast algorithms for modern computer algebra. In Watt [Wat10], pages 9–10. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Guo:2010:GOP

[GEZ10] Feng Guo, Mohab Safey El Din, and Lihong Zhi. Global optimization of polynomials using generalized critical values and sums of squares. In Watt [Wat10], pages 107–114. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Guo:2013:CRS

[GEZ13] Qingdong Guo, Mohab Safey El Din, and Lihong Zhi. Computing rational solutions of linear matrix inequalities. In Monagan et al. [MCG13], pages 197–204. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Geddes:1992:HSI

[GF92] K. O. Geddes and G. J. Fee. Hybrid symbolic-numeric integration in MAPLE. In Wang [Wan92b], pages 36–41. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p36-geddes/`. ACM order number: 505920.

Geddes:1989:NAC

[GG89] K. O. Geddes and G. H. Gonnet. A new algorithm for computing symbolic limits using hierarchical series. In Gianni [Gia89], pages 490–495. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Garcia:2012:RIA

[GG12] Maria Emilia Alonso Garcia and André Galligo. A root isolation algorithm for sparse univariate polynomials. In van der Hoeven

and van Hoeij [vdHvH12], pages 35–42. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Geddes:1989:HMO

[GGS89]   K. O. Geddes, G. H. Gonnet, and T. J. Smedley. Heuristic methods for operations with algebraic numbers. In Gianni [Gia89], pages 475–480. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Gerhard:2003:SDP

[GGSZ03]   J. Gerhard, M. Giesbrecht, A. Storjohann, and E. V. Zima. Shiftless decomposition and polynomial-time rational summation. In Senda [Sen03], pages 119–126. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Gao:2010:NIA

[GGV10]   Shuhong Gao, Yinhua Guan, and Frank Volny IV. A new incremental algorithm for computing Gröbner bases. In Watt [Wat10], pages 13–19. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Green:2000:CER

[GHS00]   Edward L. Green, Lenwood S. Heath, and Craig A. Struble. Constructing endomorphism rings via duals. In Traverso [Tra00], pages 129–136. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL http://www.acm.org/pubs/articles/proceedings/issac/345542/p129-green/p129-green.pdf; http://www.acm.org/pubs/citations/proceedings/issac/345542/p129-green/. ACM order number 505000.

Gianni:1989:SAC

[Gia89]   P. (Patrizia) Gianni, editor. *Symbolic and algebraic computation: International Symposium ISSAC '88, Rome, Italy, July 4–8, 1988: proceedings*, volume 358 of *Lecture Notes in Computer Science*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1989. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Giesbrecht:1994:FAR

[Gie94]   Mark Giesbrecht. Fast algorithms for rational forms of integer matrices. In ACM [ACM94], pages 305–311. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p305-giesbrecht/.

Giesbrecht:1995:FCS

[Gie95]   Mark Giesbrecht. Fast computation of the Smith Normal Form of an integer matrix. In Levelt [Lev95], pages 110–118. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p110-giesbrecht/`. ACM order number: 505950.

Giesbrecht:1997:EPS

[Gie97]   Mark Giesbrecht. Efficient parallel solution of sparse systems of linear Diophantine equations. In Küchlin [Küc97], pages 1–10. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/266670/p1-giesbrecht/`.

Gil:1992:CJC

[Gil92]   Isabelle Gil. Computation of the Jordan canonical form of a square matrix (using the Axiom programming language). In Wang [Wan92b], pages 138–145. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p138-gil/`. ACM order number: 505920.

Giusti:1989:CRC

[Giu89]   M. Giusti. On the Castelnuovo regularity for curves. In Gonnet [Gon89], pages 250–253. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p250-giusti/`. ACM order number: 505890. English and French.

Giusti:2009:GAF

[Giu09]   Marc Giusti. A Gröbner free alternative to solving and a geometric analogue to Cook's thesis. In May [May09], pages 1–2. ISBN 1-60558-609-9. LCCN ????

Giorgi:2003:CPM

[GJV03]   Pascal Giorgi, Claude-Pierre Jeannerod, and Gilles Villard. On the complexity of polynomial matrix computations. In Senda [Sen03], pages 135–142. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Gladitz:1994:PIG

[GK94]   K. Gladitz and H. Kuchen. Parallel implementation of the gamma-operation on bags. In Hong [Hon94], pages 154–163. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Gerhold:2005:PPS

[GK05]   Stefan Gerhold and Manuel Kauers. A procedure for proving special function inequalities involving a discrete parameter. In Kauers [Kau05], pages 156–162. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Garoufalidis:2012:TQH

[GK12]   Stavros Garoufalidis and Christoph Koutschan. Twisting q-holonomic sequences by complex roots of unity. In van der Hoeven and van Hoeij [vdHvH12], pages 179–186. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Gao:2004:AFM

[GKM⁺04]   Shuhong Gao, Erich Kaltofen, John May, Zhengfeng Yang, and Lihong Zhi. Approximate factorization of multivariate polynomials via differential equations. In Gutierrez [Gut04], pages 167–174. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Giesbrecht:2002:ACS

[GKsL02]   Mark Giesbrecht, Erich Kaltofen, and Wen shin Lee. Algorithms for computing the sparsest shifts of polynomials via the Berlekamp/Massey algorithm. In Mora [Mor02], pages 101–108. ISBN 1-58113-484-3. LCCN QA76.95. URL `http://www.lifl.fr/ISSAC2002/`.

Gray:1994:MPE

[GKW94]   Simon Gray, Norbert Kajler, and Paul Wang. MP: a protocol for efficient exchange of mathematical expressions. In ACM [ACM94], pages 330–335. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p330-gray/`.

Gebauer:1991:CCA

[GKWW91]   R. Gebauer, M. Kalkbrener, B. Wall, and F. Winkler. CASA: a computer algebra package for constructive algebraic geometry. In Watt [Wat91], pages 403–410. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p403-gebauer/`.

Gerdt:1990:SAS

[GKZ90]   V. P. Gerdt, N. V. Khutornoy, and A. Yu. Zharkov. Solving algebraic systems which arise as necessary integrability conditions for polynomial-nonlinear evolution equations. In Watanabe and Nagata [WN90], page 299. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p299-gerdt/`.

Gerdt:1991:LSC

[GKZ91]   V. P. Gerdt, N. V. Khutornoy, and A. Yu. Zharkov. Lie–Bäcklund symmetries of coupled nonlinear Schrödinger equations. In Watt [Wat91], pages 313–314. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p313-gerdt/`.

Gaudry:2007:GBI

[GKZ07]   Pierrick Gaudry, Alexander Kruppa, and Paul Zimmermann. A `gmp`-based implementation of Schönhage–Strassen's large integer multiplication algorithm. In Brown [Bro07], pages 167–174. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Guo:2012:CIH

[GKZ12]   Feng Guo, Erich L. Kaltofen, and Lihong Zhi. Certificates of impossibility of Hilbert–Artin representations of a given degree for definite polynomials and functions. In van der Hoeven and van Hoeij [vdHvH12], pages 195–202. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Grossman:1989:LTE

[GL89]   R. Grossman and R. G. Larson. Labeled trees and the efficient computation of derivations. In Gonnet [Gon89], pages 74–80. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p74-grossman/`. ACM order number: 505890. English and French.

Grudtsin:1991:ISI

[GL91]   S. N. Grudtsin and V. N. Larin. Integrated system IN-TERCOMP and computer language for physicists. In Watt [Wat91], pages 377–381. ISBN 0-89791-437-6. LCCN QA 76.95

I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p377-grudtsin/`.

Graebe:1994:PGF

[GL94] H.-G. Graebe and W. Lassner. A parallel Gröbner factorizer. In Hong [Hon94], pages 174–180. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Grigoriev:1995:ACS

[GL95] Dima Yu. Grigoriev and Lakshman Y. N. Algorithms for computing sparse shifts for multivariate polynomials. In Levelt [Lev95], pages 96–103. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p96-grigoriev/`. ACM order number: 505950.

Guo:2011:ACS

[GL11] Leilei Guo and Feng Liu. An algorithm for computing set-theoretic generators of an algebraic variety. In Schost and Emiris [SE11], pages 139–146. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Glauert:1997:OGR

[Gla97] John Glauert. Object graph rewriting: an experimental parallel implementation. In Küchlin [Küc97], pages 119–128. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/266670/p119-glauert/`.

Geddes:2004:DRN

[GLL04] Keith Geddes, Ha Le, and Ziming Li. Differential rational normal forms and a reduction algorithm for hyperexponential func. In Gutierrez [Gut04], pages 183–190. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Gloor:1998:IPI

[Glo98] Oliver Gloor, editor. *ISSAC 98: Proceedings of the 1998 International Symposium on Symbolic and Algebraic Computation, August 13–15, 1998, University of Rostock, Germany*. ACM Press, New York, NY 10036, USA, 1998. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998.

Gaonzalez:1989:SS

[GLRR89a] L. Gaonzalez, H. Lombardi, T. Recio, and M.-F. Roy. Sturm–Habicht sequence. In Gonnet [Gon89], pages 136–146. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p136-gaonzalez/. ACM order number: 505890. English and French.

Gonzalez:1989:SS

[GLRR89b] L. Gonzalez, H. Lombardi, T. Recio, and M.-F. Roy. Sturm–Habicht sequence. In Gonnet [Gon89], pages 136–146. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. ACM order number: 505890. English and French.

Giesbrecht:1998:CIS

[GLS98] M. Giesbrecht, A. Lobo, and B. D. Saunders. Certifying inconsistency of sparse linear systems. In Gloor [Glo98], pages 113–119. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL http://www.acm.org/pubs/citations/proceedings/issac/281508/p113-giesbrecht/.

Giesbrecht:2006:SNS

[GLsL06] Mark Giesbrecht, George Labahn, and Wen shin Lee. Symbolic-numeric sparse interpolation of multivariate polynomials. In Trager [Tra06], pages 116–123. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Giusti:1989:ATP

[GLV89] M. Giusti, D. Lazard, and A. Valibouze. Algebraic transformations of polynomial equations, symmetric polynomials and elimination. In Gianni [Gia89], pages 309–314. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Gebauer:1986:BAS

[GM86] Rüdiger Gebauer and H. Michael Möller. Buchberger's algorithm and staggered linear bases. In Char [Cha86b], pages 218–221. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p218-gebauer/. ACM order no. 505860.

Gaudry:2006:FAC

[GM06] P. Gaudry and F. Morain. Fast algorithms for computing the eigenvalue in the Schoof–Elkies–Atkin algorithm. In Trager [Tra06], pages 109–115. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Granvilliers:2001:SIC

[GMB01] Laurent Granvilliers, Eric Monfroy, and Frédéric Benhamou. Symbolic-interval cooperation in constraint programming. In Mourrain [Mou01], pages 150–166. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Giovini:1991:OSC

[GMN+91] Alessandro Giovini, Teo Mora, Gianfranco Niesi, Lorenzo Robbiano, and Carlo Traverso. 'one sugar cube, please' or selection strategies in the Buchberger algorithm. In Watt [Wat91], pages 49–54. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p49-giovini/.

Guergueb:1994:EAT

[GMR94] Ahmed Guergueb, Jean Mainguené, and Marie-Françoise Roy. Examples of automatic theorem proving in real geometry. In ACM [ACM94], pages 20–24. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p20-guergueb/.

Ganzha:1990:ARS

[GMS90] V. G. Ganzha, S. V. Meleshko, and V. P. Shelest. Application of REDUCE system for analyzing consistency of systems of PDE's. In Watanabe and Nagata [WN90], page 301. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p301-ganzha/.

Gianni:1989:DA

[GMT89] P. Gianni, V. Miller, and B. Trager. Decomposition of algebras. In Gianni [Gia89], pages 300–308. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Golden:1986:OAM

[Gol86] J. P. Golden. An operator algebra for Macsyma. In Char [Cha86b], pages 244–246. ISBN 0-89791-199-7 (paperback).

LCCN QA155.7.E4 A281 1986. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p244-golden/`. ACM order no. 505860.

Gonnet:1986:IOS

[Gon86a] G. H. Gonnet. An implementation of operators for symbolic algebra systems. In Char [Cha86b], pages 239–243. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p239-gonnet/`. ACM order no. 505860.

Gonnet:1986:NRR

[Gon86b] Gaston H. Gonnet. New results for random determination of equivalence of expressions. In Char [Cha86b], pages 127–131. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p127-gonnet/`. ACM order no. 505860.

Gonnet:1989:PAI

[Gon89] Gaston H. Gonnet, editor. *Proceedings of the ACM-SIGSAM 1989 International Symposium on Symbolic and Algebraic Computation: ISSAC '89 / July 17–19, 1989, Portland, Oregon.* ACM Press, New York, NY 10036, USA, 1989. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. ACM order number: 505890. English and French.

GonzalezVega:1991:STM

[Gon91a] L. Gonzalez Vega. A subresultant theory for multivariate polynomials. In Watt [Wat91], pages 79–85. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991.

GonzalezVega:1991:WRA

[Gon91b] L. Gonzalez Vega. Working with real algebraic plane curves in REDUCE: the GCUR package. In Watt [Wat91], pages 397–402. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991.

Gupta:1997:EDD

[GP97] Gopal Gupta and Enrico Pontelli. Extended dynamic dependent And-parallelism in ACE. In Küchlin [Küc97], pages 68–79. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/266670/p68-gupta/`.

Galligo:2005:SBB

[GP05]   André Galligo and Jean Pascal Pavone. Selfintersections of a Bézier bicubic surface. In Kauers [Kau05], pages 148–155. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Gaal:1991:RIF

[GPP91]   I. Gaál, A. Pethö, and M. Pohst. On the resolution of index form equations. In Watt [Wat91], pages 185–186. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p185-gaal/.

Galligo:1989:GEC

[GPT89]   André Galligo, Loïc Pottier, and Carlo Traverso. Greater easy common divisor and standard basis completion algorithms. In Gianni [Gia89], pages 162–176. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Gutierrez:1992:PIT

[GR92]   Jaime Gutierrez and Tomas Recio. A practical implementation of two rational function decomposition algorithms. In Wang [Wan92b], pages 152–157. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992.   URL http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p152-gutierrez/. ACM order number: 505920.

Gautier:1994:PSP

[GR94]   T. Gautier and J.-L. Roch. PAC++ system and parallel algebraic numbers computation. In Hong [Hon94], pages 145–153. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Gautier:1997:NCG

[GR97]   Thierry Gautier and Jean-Louis Roch. NC^2 computation of gcd-free basis and alication to parallel algebraic numbers computation. In Küchlin [Küc97], pages 31–37. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/proceedings/issac/266670/p31-gautier/.

Galligo:2001:SND

[GR01]   André Galligo and David Rupprecht. Semi-numerical determination of irreducible branches of a reduced space curve. In Mourrain [Mou01], pages 137–142. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Giesbrecht:2008:LPP

[GR08]   Mark Giesbrecht and Daniel S. Roche. On lacunary polynomial
             perfect powers. In Jeffrey [Jef08], pages 103–110. ISBN 1-59593-
             904-0. LCCN ????

Gerdt:2010:CFD

[GR10]   Vladimir P. Gerdt and Daniel Robertz. Consistency of finite
             difference approximations for linear PDE systems and its al-
             gorithmic verification. In Watt [Wat10], pages 53–59. ISBN
             1-4503-0150-9. LCCN QA76.95 .I59 2010.

Giesbrecht:2011:DII

[GR11]   Mark Giesbrecht and Daniel S. Roche. Diversification improves
             interpolation. In Schost and Emiris [SE11], pages 123–130.
             ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Gupta:2000:FPA

[GRA00]   Anshul Gupta, Pankaj Rohatgi, and Ramesh Agarwal.
             Fast practical algorithms for the Boolean-product-witness-
             matrix problem. In Traverso [Tra00], pages 146–152.
             ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL
             http://www.acm.org/pubs/articles/proceedings/issac/
             345542/p146-gupta/p146-gupta.pdf; http://www.acm.
             org/pubs/citations/proceedings/issac/345542/p146-gupta/
             . ACM order number 505000.

Grigorev:1989:CCC

[Gri89]   D. Yu. Grigor'ev. Complexity of computing the characters and
             the genre of a system of exterior differential equations. In Gianni
             [Gia89], pages 534–543. ISBN 3-540-51084-2. LCCN QA76.95
             .I571 1988. Conference held jointly with AAECC-6.

Grigoriev:1990:CIT

[Gri90a]   D. Yu. Grigoriev. Complexity of irreducibility testing for a
             system of linear ordinary differential equations. In Watan-
             abe and Nagata [WN90], pages 225–230. ISBN 0-89791-401-
             5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95
             .I57 1990. URL http://www.acm.org:80/pubs/citations/
             proceedings/issac/96877/p225-grigoriev/.

Grigoriev:1990:HTS

[Gri90b]   D. Yu. Grigoriev. How to test in subexponential time whether
             two points can be connected by a curve in a semialgebraic set.

In Watanabe and Nagata [WN90], pages 104–105. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p104-grigoriev/.

Grigoriev:1996:TSP

[Gri96] D. Grigoriev. Testing shift-equivalence of polynomials using quantum machines. In Lakshman Y. N. [Lak96], pages 49–54. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p49-grigoriev/.

Gutierrez:2001:UFT

[GRS01] Jamie Gutierrez, Rosario Rubio, and David Sevilla. Unirational fields of transcendence degree one and functional decomposition. In Mourrain [Mou01], pages 167–174. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Gruntz:1993:NAC

[Gru93] Dominik Gruntz. A new algorithm for computing asymptotic series. In Bronstein [Bro93], pages 239–244. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p239-gruntz/. ACM order number: 505930.

Geddes:1989:RIM

[GS89] K. O. Geddes and L. Y. Stefanus. On the Risch–Norman integration method and its implementation in MAPLE. In Gonnet [Gon89], pages 212–217. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p212-geddes/. ACM order number: 505890. English and French.

Ganzha:1990:LAS

[GS90] V. G. Ganzha and M. Yu. Shashkov. Local approximation study of difference operators by means of REDUCE system. In Watanabe and Nagata [WN90], pages 185–192. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p185-ganzha/.

Grigoriev:1998:PAS

[GS98] D. Grigoriev and A. Slissenko. Polytime algorithm for the shortest path in a homotopy class amidst semi-algebraic ob-

stacles in the plane. In Gloor [Glo98], pages 17–24. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL http://www.acm.org/pubs/citations/proceedings/issac/281508/p17-grigoriev/.

Giusti:1999:SSO

[GS99]   Marc Giusti and Éric Schost. Solving some overdetermined polynomial systems. In Dooley [Doo99], pages 1–8. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL http://www.acm.org/pubs/contents/proceedings/issac/309831/.

Grigoriev:2005:GLD

[GS05]   Dima Grigoriev and Fritz Schwarz. Generalized Loewy-decomposition of d-modules. In Kauers [Kau05], pages 163–170. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Guo:2006:ERB

[GS06]   Li Guo and William Y. Sit. Enumeration of Rota–Baxter words. In Trager [Tra06], pages 124–131. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Grigoriev:2008:LDT

[GS08]   Dima Grigoriev and Fritz Schwarz. Loewy decomposition of third-order linear PDE's in the plane. In Jeffrey [Jef08], pages 277–286. ISBN 1-59593-904-0. LCCN ????

Grigoriev:2010:AFN

[GS10]   D. Grigoriev and F. Schwarz. Absolute factoring of non-holonomic ideals in the plane. In Watt [Wat10], pages 93–97. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Gupta:2011:CHF

[GS11]   Somit Gupta and Arne Storjohann. Computing Hermite forms of polynomial matrices. In Schost and Emiris [SE11], pages 155–162. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Gonzalez-Sanchez:2009:AGB

[GSGVPN+09] Jon Gonzalez-Sanchez, Laureano Gonzalez-Vega, Alejandro Piñera-Nicolas, Irene Polo-Blanco, Jorge Caravantes, and Ignacio F. Rua. Analyzing group based matrix multiplication algorithms. In May [May09], pages 159–166. ISBN 1-60558-609-9. LCCN ????

Ganzha:1991:SAD

[GSV91] V. G. Ganzha, B. Yu. Scobelev, and E. V. Vorozhtsov. Stability analysis of difference schemes by the catastrophe theory methods and by means of computer algebra. In Watt [Wat91], pages 427–428. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p427-ganzha/`.

Gleixner:2012:IAL

[GSW12] Ambros M. Gleixner, Daniel E. Steffy, and Kati Wolter. Improving the accuracy of linear programming solvers with iterative refinement. In van der Hoeven and van Hoeij [vdHvH12], pages 187–194. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Guo:2011:RPL

[GSZ11] Li Guo, William Y. Sit, and Ronghua Zhang. On Rota's problem for linear operators in associative algebras. In Schost and Emiris [SE11], pages 147–154. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Glueck:1990:AMT

[GT90] R. Glueck and V. F. Turchin. Application of metasystem transition to function inversion and transformation. In Watanabe and Nagata [WN90], pages 286–287. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p286-glueck/`.

Gonzalez:1994:MPE

[GT94a] A. Gonzalez and J. Tubella. The multipath parallel execution model for Prolog. In Hong [Hon94], pages 164–173. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Goriely:1994:HCM

[GT94b] Alain Goriely and Michael Tabor. How to compute the Melnikov vector? In ACM [ACM94], pages 205–210. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p205-goriely/`.

Gianni:1997:ICN

[GT97] Patrizia Gianni and Barry Trager. Integral closure of Noetherian rings. In Küchlin [Küc97], pages 212–216. ISBN 0-89791-

875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p212-gianni/`.

Graillat:2009:NAC

[GT09] Stef Graillat and Philippe Trébuchet. A new algorithm for computing certified numerical approximations of the roots of a zero-dimensional system. In May [May09], pages 167–174. ISBN 1-60558-609-9. LCCN ????

Gutnik:1993:ACA

[Gut93] S. A. Gutnik. Application of computer algebra to investigation of the relative equilibria of a satellite. In Bronstein [Bro93], pages 63–64. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p63-gutnik/`. ACM order number: 505930.

Gutierrez:2004:IJU

[Gut04] Jaime Gutierrez, editor. *ISAAC 2004: July 4–7, 2004, University of Cantabria, Santander, Spain: proceedings of the 2004 International Symposium on Symbolic and Algebraic Computation.* ACM Press, New York, NY 10036, USA, 2004. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Gonzalez-Vega:1991:STM

[GV91a] Laureano González-Vega. A subresultant theory for multivariate polynomials. In Watt [Wat91], pages 79–85. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p79-gonzalez-vega/`.

Gonzalez-Vega:1991:WRA

[GV91b] Laureano González-Vega. Working with real algebraic plane curves in REDUCE the GCUR package. In Watt [Wat91], pages 397–402. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p397-gonzalez-vega/`.

Ganzha:1993:PSM

[GV93] V. G. Ganzha and E. V. Vorozhtsov. A probabilistic symbolic-numerical method for the stability analyses of difference schemes for PDEs. In Bronstein [Bro93], pages 9–13. ISBN

0-89791-604-2. LCCN QA 76.95 I59 1993. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p9-ganzha/`. ACM order number: 505930.

Grigoriev:2000:BNV

[GV00]   Dima Grigoriev and Nicolai Vorobjov. Bounds on numers of vectors of multiplicities for polynomials which are easy to compute. In Traverso [Tra00], pages 137–146. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL `http://www.acm.org/pubs/articles/proceedings/issac/345542/p137-grigoriev/p137-grigoriev.pdf; http://www.acm.org/pubs/citations/proceedings/issac/345542/p137-grigoriev/`. ACM order number 505000.

Ganzha:1994:SSI

[GVBv94]   V. G. Ganzha, E. V. Vorozhtsov, J. Boers, and J. A. van Hulzen. Symbolic-numeric stability investigations of Jameson's schemes for the thin-layer Navier–Stokes equations. In ACM [ACM94], pages 234–241. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p234-ganzha/`.

Gonzalez-Vega:1995:IPC

[GVT95]   L. González-Vega and G. Trujillo. Implicitization of parametric curves and surfaces by using symmetric functions. In Levelt [Lev95], pages 180–186. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p180-gonzalez-vega/`. ACM order number: 505950.

Ganzha:1992:NSA

[GVv92]   V. G. Ganzha, E. V. Vorozhtsov, and J. A. van Hulzen. A new symbolic-numeric approach to stability analysis of difference schemes. In Wang [Wan92b], pages 9–15. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p9-ganzha/`. ACM order number: 505920.

Galligo:1997:NAP

[GW97]   André Galligo and Stephen Watt. A numerical absolute primality test for bivariate polynomials. In Küchlin [Küc97], pages 217–224. ISBN 0-89791-875-4. LCCN

QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p217-galligo/`.

Gao:2006:RSD

[GY06] Xiao-Shan Gao and Chun-Ming Yuan. Resolvent systems of difference polynomial ideals. In Trager [Tra06], pages 101–108. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Gerdt:1990:CGN

[GZ90] V. P. Gerdt and A. Yu. Zharkov. Computer generation of necessary integrability conditions for polynomial nonlinear evolution systems. In Watanabe and Nagata [WN90], pages 250–254. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p250-gerdt/`.

Geddes:2003:EFH

[GZ03a] Keith O. Geddes and Wei Wei Zheng. Exploiting fast hardware floating point in high precision computation. In Senda [Sen03], pages 111–118. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Giesbrecht:2003:FDO

[GZ03b] Mark Giesbrecht and Yang Zhang. Factoring and decomposing Øre polynomials over $\mathcal{F}_q(t)$. In Senda [Sen03], pages 127–134. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Gao:2004:DDP

[GZ04] Xiao-Shan Gao and Mingbo Zhang. Decomposition of differential polynomials with constant coefficients. In Gutierrez [Gut04], pages 175–182. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Gerdt:2008:PDA

[GZ08] Vladimir P. Gerdt and Mikhail V. Zinin. A Pommaret division algorithm for computing Gröbner bases in Boolean rings. In Jeffrey [Jef08], pages 95–102. ISBN 1-59593-904-0. LCCN ????

Hammond:1994:PFP

[Ham94] K. Hammond. Parallel functional programming: An introduction (invited tutorial). In Hong [Hon94], pages 181–193. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Hanke:2007:IPC

[Han07]   Timo Hanke. The isomorphism problem for cyclic algebras and an application. In Brown [Bro07], pages 181–186. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Harris:1994:IRR

[Har94]   Jason F. Harris. Inheritance of rewrite rule structures applied to symbolic computation. In ACM [ACM94], pages 318–323. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p318-harris/`.

Harris:2000:ANM

[Har00]   Jason Harris. Advanced notations in *mathematica*. In Traverso [Tra00], pages 153–160. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL `http://www.acm.org/pubs/articles/proceedings/issac/345542/p153-harris/p153-harris.pdf`; `http://www.acm.org/pubs/citations/proceedings/issac/345542/p153-harris/`. ACM order number 505000.

Havas:1991:CES

[Hav91]   George Havas. Coset enumeration strategies. In Watt [Wat91], pages 191–199. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p191-havas/`.

Huang:2005:SPS

[HC05]   Fangjian Huang and Shengli Chen. Schur partition for symmetric ternary forms and readable proof to inequalities. In Kauers [Kau05], pages 185–192. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Hill:1994:VM

[HCB94]   J. M. D. Hill, K. M. Clarke, and R. Bornat. The vectorisation monad. In Hong [Hon94], pages 204–213. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Halstead:1993:APS

[HCGW93]   R. H. Halstead, T. Chikayama, R. Gabriel, and D. Waltz. Applications for parallel symbolic computation. In Halstead

and Ito [HI93], page 417. ISBN 0-387-57396-8, 3-540-57396-8. ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN QA76.58.P3785 1993.

Hur:2000:ERA

[HD00]   Namhyun Hur and James H. Davenport. An exact real algebraic arithmetic with equality determination. In Traverso [Tra00], pages 169–174. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL http://www.acm.org/pubs/articles/proceedings/issac/345542/p169-hur/p169-hur.pdf; http://www.acm.org/pubs/citations/proceedings/issac/345542/p169-hur/. ACM order number 505000.

Hong:2009:VRQ

[HD09]   Hoon Hong and Mohab Safey El Din. Variant real quantifier elimination: algorithm and application. In May [May09], pages 183–190. ISBN 1-60558-609-9. LCCN ????

Hovinen:2005:RBL

[HE05]   Bradford Hovinen and Wayne Eberly. A reliable block Lanczos algorithm over small finite fields. In Kauers [Kau05], pages 177–184. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Hermenegildo:1997:WSC

[Her97]   M. Hermenegildo. Workshop 19: Symbolic computation. In Lengauer et al. [LGG97], pages 1167–1168. ISBN 3-540-63440-1 (paperback). LCCN QA76.58.I5535 1997.

Halstead:1993:PSC

[HI93]   Robert H. Halstead and Takayasu Ito, editors. *Parallel symbolic computing: languages, systems, and applications: US/Japan workshop, Cambridge, MA, USA, October 14–17, 1992: proceedings*, number 748 in Lecture Notes in Computer Science. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1993. ISBN 0-387-57396-8, 3-540-57396-8. ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN QA76.58.P3785 1993.

Hietarinta:1991:SIP

[Hie91]   Jarmo Hietarinta. Searching for integrable PDE's by testing Hirota's three-soliton condition. In Watt [Wat91], pages 295–300. ISBN 0-89791-437-6. LCCN QA 76.95

I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p295-hietarinta/`.

Hietarinta:1992:SCQ

[Hie92] Jarmo Hietarinta. Solving the constant quantum Yang–Baxter equation in 2 dimensions with massive use of factorizing Gröbner basis computations. In Wang [Wan92b], pages 350–357. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p350-hietarinta/`. ACM order number: 505920.

Hitz:2005:CNS

[Hit05] Markus A. Hitz. On computing nearest singular Hankel matrices. In Kauers [Kau05], pages 171–176. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Hasegawa:1994:PMM

[HK94] R. Hasegawa and M. Koshimura. An AND parallelization method for MGTP and its evaluation. In Hong [Hon94], pages 194–203. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Hitz:1998:EAC

[HK98] Markus A. Hitz and Erich Kaltofen. Efficient algorithms for computing the nearest polynomial with constrained roots. In Gloor [Glo98], pages 236–243. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL `http://www.acm.org/pubs/citations/proceedings/issac/281508/p236-hitz/`.

Houari:2004:ARC

[HK04] Hassan El Houari and M'hammed El Kahoui. Algorithms for recognizing coordinates in two variables over UFD's. In Gutierrez [Gut04], pages 135–140. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Hitz:1999:EAC

[HKL99] Markus A. Hitz, Erich Kaltofen, and Y. N. Lakshman. Efficient algorithms for computing the nearest polynomial with a real root and related problems. In Dooley [Doo99], pages 205–212. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL `http://www.acm.org/pubs/contents/proceedings/issac/309831/`.

HalAs:2009:SRD

[HKL+09] Miroslav Halás, Ülle Kotta, Ziming Li, Huaifu Wang, and Chunming Yuan. Submersive rational difference systems and their accessibility. In May [May09], pages 175–182. ISBN 1-60558-609-9. LCCN ????

Hutton:2010:CRP

[HKZ10] Sharon Hutton, Erich L. Kaltofen, and Lihong Zhi. Computing the radius of positive semidefiniteness of a multivariate real polynomial via a dual of Seidenberg's method. In Watt [Wat10], pages 227–234. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Hayden:1986:SBC

[HL86] Michael B. Hayden and Edmund A. Lamagna. Summation of binomial coefficients using hypergeometric functions. In Char [Cha86b], pages 77–81. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p77-hayden/. ACM order no. 505860.

Hulpke:2003:TOS

[HL03] Alexander Hulpke and Steve Linton. Total ordering on subgroups and cosets. In Senda [Sen03], pages 156–160. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Hubert:2012:RIS

[HL12] Evelyne Hubert and George Labahn. Rational invariants of scalings from Hermite normal forms. In van der Hoeven and van Hoeij [vdHvH12], pages 219–226. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Hadzikadic:1986:AKB

[HLY86] M. Hadzikadic, F. Lichtenberger, and D. Y. Y. Yun. An application of knowledge-base technology in education: a geometry theorem prover. In Char [Cha86b], pages 141–147. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p141-hadzikadic/. ACM order no. 505860.

Hanrot:2001:SRA

[HM01] G. Hanrot and F. Morain. Solvability by radicals from an algorithmic point of view. In Mourrain [Mou01], pages 175–182.

ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Hunt:2001:SLR

[HMS01] Harry B. Hunt, Madhav V. Marathe, and Richard E. Stearns. Strongly-local reductions and the complexity/efficient approximability of algebra and optimization on abstract algebraic structures. In Mourrain [Mou01], pages 183–191. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Holt:2000:CWH

[Hol00] Derek F. Holt. Computation in word-hyperbolic groups. In Traverso [Tra00], page ?? ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL `http://www.acm.org/pubs/citations/proceedings/issac/345542/p-holt/`. ACM order number 505000.

Hong:1990:IPO

[Hon90] Hooh Hong. An improvement of the projection operator in cylindrical algebraic decomposition. In Watanabe and Nagata [WN90], pages 261–264. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p261-hong/`.

Hong:1992:SSF

[Hon92] Hoon Hong. Simple solution formula construction in cylindrical algebraic decomposition based quantifier elimination. In Wang [Wan92b], pages 177–188. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p177-hong/`. ACM order number: 505920.

Hong:1993:QEF

[Hon93] Hoon Hong. Quantifier elimination for formulas constrained by quadratic equations. In Bronstein [Bro93], pages 264–274. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p264-hong/`. ACM order number: 505930.

Hong:1994:FIS

[Hon94] Hoon Hong, editor. *First International Symposium on Parallel Symbolic Computation, PASCO '94, Hagenberg/Linz, Austria,*

September 26–28, 1994, volume 5 of *Lecture notes series in computing*. World Scientific Publishing Co., Singapore; Philadelphia, PA, USA; River Edge, NJ, USA, 1994. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Hong:1996:GBU

[Hon96]   Hoon Hong. Gröbner basis under composition II. In Lakshman Y. N. [Lak96], pages 79–85. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p79-hong/`.

Hentzel:1989:VNA

[HP89]   I. R. Hentzel and D. J. Pokrass. Verification of non-identities in algebras. In Gianni [Gia89], pages 496–507. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Huang:1997:FRM

[HP97]   Xiaohan Huang and Victor Y. Pan. Fast rectangular matrix multiplications and improving parallel matrix computations. In Küchlin [Küc97], pages 11–23. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/266670/p11-huang/`.

Hubert:2003:CPS

[HR03]   E. Hubert and N. Le Roux. Computing power series solutions of a nonlinear PDE system. In Senda [Sen03], pages 148–155. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Harvey:2010:PTF

[HR10]   David Harvey and Daniel S. Roche. An in-place truncated Fourier transform and applications to polynomial multiplication. In Watt [Wat10], pages 325–329. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Hossain:2002:SIC

[HS02]   Shahadat Hossain and Trond Steihaug. Sparsity issues in the computation of Jacobian matrices. In Mora [Mor02], pages 123–130. ISBN 1-58113-484-3. LCCN QA76.95. URL `http://www.lifl.fr/ISSAC2002/`.

Harrison:2006:RPD

[HS06]   Michael Harrison and Josef Schicho. Rational parametrisation for degree 6 Del Pezzo surfaces using Lie algebras. In Trager [Tra06], pages 132–137. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Henrion:2008:PGC

[HS08]   Didier Henrion and Michael Sebek. Plane geometry and convexity of polynomial stability regions. In Jeffrey [Jef08], pages 111–116. ISBN 1-59593-904-0. LCCN ????

Hubert:1996:GSO

[Hub96]   Evelyne Hubert. The general solution of an ordinary differential equation. In Lakshman Y. N. [Lak96], pages 189–195. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p189-hubert/`.

Hubert:2004:ITD

[Hub04]   Evelyne Hubert. Improvements to a triangulation-decomposition algorithm for ordinary differential systems in higher degree cases. In Gutierrez [Gut04], pages 191–198. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Hubert:2010:AIT

[Hub10]   Evelyne Hubert. Algebraic invariants and their differential algebras. In Watt [Wat10], pages 1–2. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Hulpke:1998:CNS

[Hul98]   Alexander Hulpke. Computing normal subgroups. In Gloor [Glo98], pages 194–198. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL `http://www.acm.org/pubs/citations/proceedings/issac/281508/p194-hulpke/`.

Hulpke:2013:CST

[Hul13]   Alexander J. Hulpke. Calculation of the subgroups of a trivial-fitting group. In Monagan et al. [MCG13], pages 205–210. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Hart:2011:PPF

[HvHN11]   William Hart, Mark van Hoeij, and Andrew Novocin. Practical polynomial factoring in polynomial time. In Schost and Emiris

[SE11], pages 163–170. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Haridi:1997:ODD

[HVS97]   Seif Haridi, Peter Van Roy, and Gert Smolka. An overview of the design of Distributed Oz. In Küchlin [Küc97], pages 176–187. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/266670/p176-haridi/`.

Hilali:1986:ACF

[HW86]   A. Hilali and A. Wazner. Algorithm for computing formal invariants of linear differential systems. In Char [Cha86b], pages 197–201. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p197-hilali/`. ACM order no. 505860.

Huang:2000:PMP

[HWSZ00]   Yuzhen Huang, Wenda Wu, Hans J. Stetter, and Lihong Zhi. Pseudofactors of multivariate polynomials. In Traverso [Tra00], pages 161–168. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL `http://www.acm.org/pubs/articles/proceedings/issac/345542/p161-huang/p161-huang.pdf`; `http://www.acm.org/pubs/citations/proceedings/issac/345542/p161-huang/`. ACM order number 505000.

Iglio:1998:SCC

[IA98]   Pietro Iglio and Giuseppe Attardi. Software components for computer algebra. In Gloor [Glo98], pages 62–69. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL `http://www.acm.org/pubs/citations/proceedings/issac/281508/p62-iglio/`.

Ida:2009:SAM

[Ida09]   Tetsuo Ida. Symbolic and algebraic methods in computational origami: invited talk. In May [May09], pages 3–4. ISBN 1-60558-609-9. LCCN ????

IEEE:1995:PEI

[IEE95]   IEEE, editor. *Proceedings of the Eighth IEEE Symposium on Computer-Based Medical Systems / June 9–10, 1995, Lubbock, Texas.* IEEE Computer Society Press, 1109 Spring Street, Suite

300, Silver Spring, MD 20910, USA, 1995. ISBN 0-8186-7117-3. LCCN R858.A2 I155 1995. IEEE catalog number 95CH35813.

Ilyin:1991:SST

[IK91]   V. A. Ilyin and A. P. Kryukov. Symbolic simplification of tensor expressions using symmetries, dummy indices and identities. In Watt [Wat91], pages 224–228. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p224-ilyin/.

Ishikawa:2012:ZHA

[IK12]   Masao Ishikawa and Christoph Koutschan. Zeilberger's holonomic ansatz for Pfaffians. In van der Hoeven and van Hoeij [vdHvH12], pages 227–233. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Ilyin:1991:PIF

[IKRT91]   V. A. Ilyin, A. P. Kryukov, A. Ya. Rodionov, and A. Yu. Taranov. PC implementation of fast Dirac matrix trace calculations. In Watt [Wat91], pages 456–457. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p456-ilyin/.

Ivanyos:2009:SDP

[IKS09]   Gábor Ivanyos, Marek Karpinski, and Nitin Saxena. Schemes for deterministic polynomial factoring. In May [May09], pages 191–198. ISBN 1-60558-609-9. LCCN ????

Ito:1993:MPA

[INPS93]   T. Ito, R. Nikhil, J. Padget, and N. Suzuki. Massively parallel architectures and symbolic computation. In Halstead and Ito [HI93], pages 408–416. ISBN 0-387-57396-8, 3-540-57396-8. ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN QA76.58.P3785 1993.

Ivanyos:2000:FRA

[Iva00]   Gábor Ivanyos. Fast randomized algorithms for the structure of matrix algebras over finite fields (extended abstract). In Traverso [Tra00], pages 175–183. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL http://www.acm.org/pubs/articles/proceedings/issac/345542/p175-ivanyos/p175-ivanyos.pdf; http://www.acm.org/pubs/citations/proceedings/issac/345542/p175-ivanyos/. ACM order number 505000.

Jacobs:1994:ANA

[Jac94]   David P. Jacobs. The Albert nonassociative algebra system: a progress report. In ACM [ACM94], pages 41–44. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p41-jacobs/`.

Jeannerod:2000:AEP

[Jea00]   Claude-Pierre Jeannerod. An algorithm for the eigenvalue perturbation problem: reduction of a ?-matrix to a Lidskii matrix. In Traverso [Tra00], pages 184–191. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL `http://www.acm.org/pubs/citations/proceedings/issac/345542/p184-jeannerod/`. ACM order number 505000.

Jeannerod:2002:RFP

[Jea02]   Claude Pierre Jeannerod. A reduced form for perturbed matrix polynomials. In Mora [Mor02], pages 131–137. ISBN 1-58113-484-3. LCCN QA76.95. URL `http://www.lifl.fr/ISSAC2002/`.

Jebelean:1993:GBG

[Jeb93]   T. Jebelean. A generalization of the binary GCD algorithm. In Bronstein [Bro93], pages 111–116. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p111-jebelean/`. ACM order number: 505930.

Jebelean:1997:PID

[Jeb97]   Tudor Jebelean. Practical integer division with Karatsuba complexity. In Küchlin [Küc97], pages 339–341. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p339-jebelean/`.

Jeffrey:1993:IOE

[Jef93]   D. J. Jeffrey. Integration to obtain expressions valid on domains of maximum extent. In Bronstein [Bro93], pages 34–41. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p34-jeffrey/`. ACM order number: 505930.

Jeffrey:2008:PAM

[Jef08] David Jeffrey, editor. *Proceedings of the 21st annual meeting of the International Symposium on Symbolic Computation, ISSAC 2008, July 20–23, 2008, Hagenberg, Austria.* ACM Press, New York, NY 10036, USA, 2008. ISBN 1-59593-904-0. LCCN ????

Jenks:1976:SPA

[Jen76] Richard D. Jenks, editor. *Symsac '76: proceedings of the 1976 ACM Symposium on Symbolic and Algebraic Computation, August 10–12, 1976, Yorktown Heights, New York.* ACM Press, New York, NY 10036, USA, 1976. LCCN QA155.7.E4 A15 1976. US$20.00.

Janovitz-Freireich:2006:ARI

[JFRS06] Itnuit Janovitz-Freireich, Lajos Rónyai, and Ágnes Szántó. Approximate radical of ideals with clusters of roots. In Trager [Tra06], pages 146–153. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Janovitz-Freireich:2008:MMT

[JFSMR08] Itnuit Janovitz-Freireich, Agnes Szántó, Bernard Mourrain, and Lajos Ronyai. Moment matrices, trace matrices and the radical of ideals. In Jeffrey [Jef08], pages 125–132. ISBN 1-59593-904-0. LCCN ????

Johnson:1997:PRR

[JK97] J. R. Johnson and Werner Krandick. Polynomial real root isolation using approximate arithmetic. In Küchlin [Küc97], pages 225–232. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p225-johnson/.

Johnson:2006:HPI

[JKL+06] Jeremy R. Johnson, Werner Krandick, Kevin Lynch, David G. Richardson, and Anatole D. Ruslanov. High-performance implementations of the Descartes method. In Trager [Tra06], pages 154–161. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Johansson:2013:FHS

[JKM13] Fredrik Johansson, Manuel Kauers, and Marc Mezzarobba. Finding hyperexponential solutions of linear ODEs by numer-

ical evaluation. In Monagan et al. [MCG13], pages 211–218. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Johnson:2005:AAC

[JKR05]   Jeremy R. Johnson, Werner Krandick, and Anatole D. Ruslanov. Architecture-aware classical Taylor shift by 1. In Kauers [Kau05], pages 200–207. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Liu:1990:AFA

[jL90]   Zhuo jun Liu. An algorithm for finding all isolated zeros of polynomial systems. In Watanabe and Nagata [WN90], page 300. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p300-liu/.

Jeffrey:1997:ISP

[JLVR97]   D. J. Jeffrey, G. Labahn, M. Von Mohrenschildt, and A. D. Rich. Integration of the signum, piecewise and related functions. In Küchlin [Küc97], pages 324–330. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p324-jeffrey/.

Javadi:2007:SMG

[JM07]   Seyed Mohammad Mahdi Javadi and Michael Monagan. A sparse modular GCD algorithm for polynomials over algebraic function fields. In Brown [Bro07], pages 187–194. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Javadi:2009:FMP

[JM09]   Seyed Mohammad Mahdi Javadi and Michael B. Monagan. On factorization of multivariate polynomials over algebraic number and function fields. In May [May09], pages 199–206. ISBN 1-60558-609-9. LCCN ????

Jeannerod:2010:CSG

[JM10]   Claude-Pierre Jeannerod and Christophe Mouilleron. Computing specified generators of structured matrix inverses. In Watt [Wat10], pages 281–288. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Johnson:1992:RAN

[Joh92]   J. R. Johnson. Real algebraic number computation using interval arithmetic. In Wang [Wan92b], pages 195–205. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p195-johnson/`. ACM order number: 505920.

Jeannerod:1999:RAM

[JP99]   C.-P. Jeannerod and E. Pflügel. A reduction algorithm for matrices depending on a parameter. In Dooley [Doo99], pages 121–128. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL `http://www.acm.org/pubs/contents/proceedings/issac/309831/`.

Jeffrey:2005:ATA

[JPR05]   D. J. Jeffrey, Pratibha, and K. B. Roach. Affine transformations of algebraic numbers. In Kauers [Kau05], pages 193–199. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Jeffrey:1998:RIP

[JR98]   D. J. Jeffrey and A. D. Rich. Recursive integration of piecewise-continuous functions. In Gloor [Glo98], pages 290–294. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL `http://www.acm.org/pubs/citations/proceedings/issac/281508/p290-jeffrey/`.

Jenks:1994:HMA

[JT94]   Richard D. Jenks and Barry M. Trager. How to make AXIOM into a Scratchpad. In ACM [ACM94], pages 32–40. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p32-jenks/`.

Juozapavicius:1989:SCW

[Juo89]   A. Juozapavicius. Symbolic computation for Witt rings. In Gianni [Gia89], pages 271–273. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Jurkovic:1986:EES

[Jur86]   N. Jurkovic. Edusym — educational symbolic manipulator on a microcomputer. In Char [Cha86b], pages 154–156. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4

A281 1986. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p154-jurkovic/`. ACM order no. 505860.

Jurkovic:2001:DCS

[Jur01]   Neven Jurkovic. Diagnosing and correcting student's misconceptions in an educational computer algebra system. In Mourrain [Mou01], pages 195–200. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Johnson:2007:GSD

[JX07]   Jeremy Johnson and Xu Xu. Generating symmetric DFTs and equivariant FFT algorithms. In Brown [Bro07], pages 195–202. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Jinwang:2001:MPI

[JZXM01]   Liu Jinwang, Liu Zhuojun, Liu Xiaoqi, and Wang Mingsheng. The membership problem for ideals of binomial skew polynomial rings. In Mourrain [Mou01], pages 192–195. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Kaib:1994:FVG

[Kai94]   M. Kaib. A fast variant of the Gaussian reduction algorithm. In Adleman and Huang [AH94], page 159. ISBN 0-387-58691-1 (New York), 3-540-58691-1 (Berlin). LCCN QA241.A43 1994.

Kajler:1992:CPE

[Kaj92]   Norbert Kajler. CAS/PI: a portable and extensible interface for computer algebra systems. In Wang [Wan92b], pages 376–386. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p376-kajler/`. ACM order number: 505920.

Kalkbrener:1990:SSB

[Kal90]   M. Kalkbrener. Solving systems of bivariate algebraic equations by using primitive polynomial remainder sequences. In Watanabe and Nagata [WN90], page 295. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p295-kalkbrener/`.

Kaltofen:1992:CDM

[Kal92]   Erich Kaltofen.   On computing determinants of matrices without divisions.   In Wang [Wan92b], pages 342–349.   ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover).   LCCN QA76.95.I59 1992.   URL `http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p342-kaltofen/`. ACM order number: 505920.

Kalkbrener:1993:UBN

[Kal93]   Michael Kalkbrener.   An upper bound on the number of monomials in the Sylvester resultant.   In Bronstein [Bro93], pages 161–163.   ISBN 0-89791-604-2.   LCCN QA 76.95 I59 1993.   URL `http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p161-kalkbrener/`. ACM order number: 505930.

Kaltofen:1994:AFS

[Kal94]   Erich Kaltofen. Asymptotically fast solution of Toeplitz-like singular linear systems. In ACM [ACM94], pages 297–304. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p297-kaltofen/`.

Kaltofen:1996:ISC

[Kal96]   E. Kaltofen. ISSAC steering committee bylaws. *SIGSAM Bulletin (ACM Special Interest Group on Symbolic and Algebraic Manipulation)*, 30(1):31–33, March 1996.   CODEN SIGSBZ. ISSN 0163-5824 (print), 1557-9492 (electronic).

Kaltofen:2002:OSV

[Kal02]   Erich Kaltofen. An output-sensitive variant of the baby steps/ giant steps determinant algorithm. In Mora [Mor02], pages 138–144. ISBN 1-58113-484-3. LCCN QA76.95. URL `http://www.lifl.fr/ISSAC2002/`.

Kaltofen:2003:PFS

[Kal03]   Erich Kaltofen. Polynomial factorization: a success story. In Senda [Sen03], pages 3–4. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Kapur:1986:GTP

[Kap86]   Deepak Kapur. Geometry theorem proving using Hilbert's Nullstellensatz. In Char [Cha86b], pages 202–208. ISBN 0-89791-

199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p202-kapur/`. ACM order no. 505860.

Kauers:2004:CPP

[Kau04]   Manuel Kauers. Computer proofs for polynomial identities in arbitrary many variables. In Gutierrez [Gut04], pages 199–204. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Kauers:2005:IJB

[Kau05]   Manuel Kauers, editor. *ISSAC '05: July 24–27, 2005, Beijing, China: Proceedings of the 2005 International Symposium on Symbolic and Algebraic Computation.* ACM Press, New York, NY 10036, USA, 2005. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Kauers:2008:IAF

[Kau08]   Manuel Kauers. Integration of algebraic functions: a simple heuristic for finding the logarithmic part. In Jeffrey [Jef08], pages 133–140. ISBN 1-59593-904-0. LCCN ????

Kauers:2011:CT

[Kau11]   Manuel Kauers. The concrete tetrahedron. In Schost and Emiris [SE11], pages 7–8. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Kunkle:2007:TSM

[KC07]   Daniel Kunkle and Gene Cooperman. Twenty-six moves suffice for Rubik's cube. In Brown [Bro07], pages 235–242. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Kunkle:2009:BTF

[KC09]   Daniel Kunkle and Gene Cooperman. Biased tadpoles: a fast algorithm for centralizers in large matrix groups. In May [May09], pages 223–230. ISBN 1-60558-609-9. LCCN ????

Kemper:2008:AIT

[Kem08]   Gregor Kemper. Algorithmic invariant theory. In Jeffrey [Jef08], pages 335–336. ISBN 1-59593-904-0. LCCN ????

Kesseler:1994:RGC

[Kes94]   M. Kesseler. Reducing graph copying costs — time to wrap it up. In Hong [Hon94], pages 244–253. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Kornyak:1991:PSA

[KF91]   V. V. Kornyak and W. I. Fushchich. A program for symmetry analysis of differential equations. In Watt [Wat91], pages 315–316. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p315-kornyak/.

Kobayashi:1986:GBI

[KFS86]   H. Kobayashi, A. Furukawa, and T. Sasaki. Gröbner bases of ideals of convergent power series. In Char [Cha86b], pages 225–227. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p225-kobayashi/. ACM order no. 505860.

Khanin:2001:DAC

[Kha01]   Raya Khanin. Dimensional analysis in computer algebra. In Mourrain [Mou01], pages 201–208. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Khetan:2002:DFC

[Khe02]   Amit Khetan. Determinantal formula for the chow form of a toric surface. In Mora [Mor02], pages 145–150. ISBN 1-58113-484-3. LCCN QA76.95. URL http://www.lifl.fr/ISSAC2002/.

Kirrinnis:1992:FCN

[Kir92]   Peter Kirrinnis. Fast computation of numerical partial fraction decompositions and contour integrals of rational functions. In Wang [Wan92b], pages 16–26. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p16-kirrinnis/. ACM order number: 505920.

Kirrinnis:1998:FNI

[Kir98]   Peter Kirrinnis. Fast numerical improvement of factors of polynomial and of partial fractions. In Gloor [Glo98], pages 260–

267. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL `http://www.acm.org/pubs/citations/proceedings/issac/281508/p260-kirrinnis/`.

Krandick:1994:BEI

[KJ94]   W. Krandick and T. Jebelean. Bidirectional exact integer division. In Hong [Hon94], pages 264–272. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Kirchner:1989:CER

[KK89]   C. Kirchner and H. Kirchner. Constrained equational reasoning. In Gonnet [Gon89], pages 382–389. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US\$29.00. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p382-kirchner/`. ACM order number: 505890. English and French.

Kleczka:1991:SCA

[KK91]   W. Kleczka and E. Kreuzer. Systematic computer-aided analysis of dynamic systems. In Watt [Wat91], pages 429–430. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p429-kleczka/`.

Kaltofen:2005:CFB

[KK05]   Erich Kaltofen and Pascal Koiran. On the complexity of factoring bivariate supersparse (lacunary) polynomials. In Kauers [Kau05], pages 208–215. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Kaltofen:2006:FSD

[KK06]   Erich Kaltofen and Pascal Koiran. Finding small degree factors of multivariate supersparse (lacunary) polynomials over algebraic number fields. In Trager [Tra06], pages 162–168. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Kaltofen:2008:EFT

[KK08]   Erich Kaltofen and Pascal Koiran. Expressing a fraction of two determinants as a determinant. In Jeffrey [Jef08], pages 141–146. ISBN 1-59593-904-0. LCCN ????

Kaltofen:1986:FPA

[KKS86]   E. Kaltofen, M. Krishnamoorthy, and B. D. Saunders. Fast parallel algorithms for similarity of matrices. In Char [Cha86b],

pages 65–70. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p65-kaltofen/`. ACM order no. 505860.

Kaltofen:1994:FHP

[KL94] Erich Kaltofen and Austin Lobo. Factoring high-degree polynomials by the black box Berlekamp algorithm. In ACM [ACM94], pages 90–98. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p90-kaltofen/`.

Kaltofen:1996:RPT

[KL96a] E. Kaltofen and A. Lobo. On rank properties of Toeplitz matrices over finite fields. In Lakshman Y. N. [Lak96], pages 241–249. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p241-kaltofen/`.

Karmarkar:1996:APG

[KL96b] N. Karmarkar and Lakshman Y. N. Approximate polynomial greatest common divisors and nearest singular polynomials. In Lakshman Y. N. [Lak96], pages 35–39. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p35-karmarkar/`.

Kaltofen:1990:MRS

[KLW90] E. Kaltofen, Lakshman Y. N., and J.-M. Wiley. Modular rational sparse multivariate polynomial interpolation. In Watanabe and Nagata [WN90], pages 135–139. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p135-kaltofen/`.

Kaltofen:2008:ECG

[KLYZ08] Erich Kaltofen, Bin Li, Zhengfeng Yang, and Lihong Zhi. Exact certification of global optimality of approximate factorizations via rationalizing sums-of-squares with floating point scalars. In Jeffrey [Jef08], pages 155–164. ISBN 1-59593-904-0. LCCN ????

Kuhn:1989:MEC

[KM89]   N. Kuhn and K. Madlener. A method for enumerating cosets of a group presented by a canonical system. In Gonnet [Gon89], pages 338–350. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p338-kuhn/. ACM order number: 505890. English and French.

Krishnan:1995:NAE

[KM95]   Shankar Krishnan and Dinesh Manocha. Numeric-symbolic algorithms for evaluating one-dimensional algebraic sets. In Levelt [Lev95], pages 59–67. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p59-krishnan/. ACM order number: 505950.

Koenhagen:1996:OAC

[KM96a]   Ulla Koenhagen and Ernst W. Mayr. An optimal algorithm for constructing the reduced Gröbner basis of binomial ideals. In Lakshman Y. N. [Lak96], pages 55–62. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p55-koppenhagen/.

Koppenhagen:1996:OAC

[KM96b]   U. Koppenhagen and E. W. Mayr. An optimal algorithm for constructing the reduced Gröbner basis of binomial ideals. In Lakshman Y. N. [Lak96], pages 55–62. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996.

Kuhnle:1996:ESC

[KM96c]   Klaus Kühnle and Ernst W. Mayr. Exponential space computation of Gröbner bases. In Lakshman Y. N. [Lak96], pages 63–71. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p63-kuhnle/.

Kaltofen:1999:GMP

[KM99]   Erich Kaltofen and Michael B. Monagan. On the genericity of the modular polynomial GCD algorithm. In Dooley [Doo99], pages 59–66. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL http://www.acm.org/pubs/contents/proceedings/issac/309831/.

Kogan:2002:CCF

[KM02]   Irina A. Kogan and Marc Moreno Maza. Computation of canonical forms for ternary cubics. In Mora [Mor02], pages 151–160. ISBN 1-58113-484-3. LCCN QA76.95. URL `http://www.lifl.fr/ISSAC2002/`.

Kaltofen:2003:AIP

[KM03]   Erich Kaltofen and John May. On approximate irreducibility of polynomials in several variables. In Senda [Sen03], pages 161–168. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Khodadad:2006:FRF

[KM06]   Sara Khodadad and Michael Monagan. Fast rational function reconstruction. In Trager [Tra06], pages 184–190. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Kavian:1996:MPR

[KMG96]   Masoud Kavian, R. G. McLenaghan, and K. O. Geddes. MapleTensor: Progress report on a new system for performing indicial and component tensor calculations using symbolic computation. In Lakshman Y. N. [Lak96], pages 204–211. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p204-kavian/`.

kavian:1997:AGA

[kMG97]   M. kavian, R. G. McLenaghan, and K. O. Geddes. Application of genetic algorithms to the algebraic simplification of tensor polynomials. In Küchlin [Küc97], pages 93–100. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p93-kavian/`.

Kobayashi:1989:SSA

[KMH89]   H. Kobayashi, S. Moritsugu, and R. W. Hogan. Solving systems of algebraic equations. In Gianni [Gia89], pages 139–149. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Kuhn:1990:TLC

[KMO90]   N. Kuhn, K. Madlener, and F. Otto. A test for λ-confluence for certain prefix rewriting systems with applications to the generalized word problem. In Watan-

abe and Nagata [WN90], pages 8–15. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/ proceedings/issac/96877/p8-kuhn/`.

Kuhn:1992:CPS

[KMO92] Norbert Kuhn, Klaus Madlener, and Friedrich Otto. Computing presentations for subgroups of context-free groups. In Wang [Wan92b], pages 240–250. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL `http: //www.acm.org:80/pubs/citations/proceedings/issac/143242/ p240-kuhn/`. ACM order number: 505920.

Kaltofen:2005:GMM

[KMY05] Erich Kaltofen, Dmitriy Morozov, and George Yuhasz. Generic matrix multiplication and memory management in linBox. In Kauers [Kau05], pages 216–223. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Kislenkov:1998:MCR

[KMZ98] V. Kislenkov, V. Mitrofanov, and E. Zima. Multidimensional chains of recurrences. In Gloor [Glo98], pages 199–206. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL `http:// www.acm.org/pubs/citations/proceedings/issac/281508/ p199-kislenkov/`.

Kislenkov:1999:HFC

[KMZ99] V. Kislenkov, V. Mitrofanov, and E. Zima. How fast can we compute products? In Dooley [Doo99], pages 75–82. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL `http://www. acm.org/pubs/contents/proceedings/issac/309831/`.

Kurata:2007:CDC

[KN07] Yosuke Kurata and Masayuki Noro. Computation of discrete comprehensive Gröbner bases using modular dynamic evaluation. In Brown [Bro07], pages 243–250. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Kaltofen:2011:SBB

[KN11] Erich L. Kaltofen and Michael Nehring. Supersparse black box rational function interpolation. In Schost and Emiris [SE11], pages 177–186. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Konno:1994:PMC

[KNKM94]   K. Konno, M. Nagatsuka, N. Kobayashi, and S. Matsuoka. PARCS: An MPP-oriented CLP language. In Hong [Hon94], pages 254–263. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Knowles:1986:ILF

[Kno86]   P. H. Knowles. Integration of Liouvillian functions with special functions. In Char [Cha86b], pages 179–184. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p179-knowles/`. ACM order no. 505860.

Kaltofen:2011:QTC

[KNS11]   Erich L. Kaltofen, Michael Nehring, and B. David Saunders. Quadratic-time certificates in linear algebra. In Schost and Emiris [SE11], pages 171–176. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Koepf:2003:PSB

[Koe03]   Wolfram Koepf. Power series, Bieberbach conjecture and the de Branges and Weinstein functions. In Senda [Sen03], pages 169–175. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Kohno:1990:RPT

[Koh90]   M. Kohno. Reduction problems in the theory of differential equations. In Watanabe and Nagata [WN90], pages 244–249. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p244-kohno/`.

Koiran:2012:UBR

[Koi12]   Pascal Koiran. Upper bounds on real roots and lower bounds for the permanent. In van der Hoeven and van Hoeij [vdHvH12], page 8. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Kolyada:1990:SSC

[Kol90]   S. V. Kolyada. Systems for symbolic computations in Boolean algebra. In Watanabe and Nagata [WN90], page 291. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p291-kolyada/`.

Korelc:2001:HSM

[Kor01]   Joze Korelc. Hybrid system for multi-language and multi-environment generation of numerical codes. In Mourrain [Mou01], pages 209–216. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Kakas:1994:PAL

[KP94a]   A. C. Kakas and G. A. Papadopoulos. Parallel abduction in logic programming. In Hong [Hon94], pages 214–224. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Kaltofen:1994:PST

[KP94b]   E. Kaltofen and V. Pan. Parallel solution of Toeplitz and Toeplitz-like linear systems over fields of small positive characteristic. In Hong [Hon94], pages 225–233. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Kauers:2010:WCW

[KP10]   Manuel Kauers and Veronika Pillwein. When can we detect that a P-finite sequence is positive? In Watt [Wat10], pages 195–201. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Khonji:2010:OSD

[KPR+10]   Majid Khonji, Clément Pernet, Jean-Louis Roch, Thomas Roche, and Thomas Stalinski. Output-sensitive decoding for redundant residue systems. In Watt [Wat10], pages 265–272. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Kryukov:1986:URC

[KR86]   A. P. Kryukov and A. Y. Rodionov. Usage of REDUCE for computations of group-theoretical weight of Feynman diagrams in non-Abelian gauge theories. In Char [Cha86b], pages 91–93. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p91-kryukov/. ACM order no. 505860.

Keady:1993:AIS

[KR93]   G. Keady and M. G. Richardson. An application of IRENA to systems of nonlinear equations arising in equilibrium flows in networks. In Bronstein [Bro93], pages 311–320. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL http://www.acm.

org:80/pubs/citations/proceedings/issac/164081/p311-keady/. ACM order number: 505930.

Kadyrsizova:2008:LRS

[KR08]   Zhibek Kadyrsizova and Valery G. Romanovski. Linearizablity of 1:−3 resonant system with homogeneous cubic nonlinearities. In Jeffrey [Jef08], pages 255–260. ISBN 1-59593-904-0. LCCN ????

Kredel:1989:SDC

[Kre89]   H. Kredel. Software development for computer algebra or from ALDES/SAC-2 to WEB/Modula-2. In Gianni [Gia89], pages 447–455. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Kryukov:1986:CRA

[KRL86]   A. P. Kryukov, Y. Rodionov, and G. L. Litvinov. Construction of rational approximations by means of REDUCE. In Char [Cha86b], pages 31–33. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p31-kryukov/. ACM order no. 505860.

Klimov:1993:SEN

[KRL93]   D. M. Klimov, V. M. Rudenko, and V. V. Leonov. Symbolic evaluation in the nonlinear mechanical systems. In Bronstein [Bro93], pages 53–54. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p53-klimov/. ACM order number: 505930.

Kaser:1994:HPR

[KRS94]   O. Kaser, C. R. Ramakrishnan, and R. C. Sekar. A high performance runtime system for parallel evaluation of lazy languages. In Hong [Hon94], pages 234–243. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Kryukov:1986:DRE

[Kry86]   A. P. Kryukov. Dialogue in REDUCE: experience and development. In Char [Cha86b], pages 107–109. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p107-kryukov/. ACM order no. 505860.

Kutzler:1986:AGT

[KS86]   B. Kutzler and S. Stifter. Automated geometry theorem proving using Buchberger's algorithm. In Char [Cha86b], pages 209–214. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p209-kutzler/. ACM order no. 505860.

Kapur:1995:CVM

[KS95]   Deepak Kapur and Tushar Saxena. Comparison of various multivariate resultant formulations. In Levelt [Lev95], pages 187–194. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p187-kapur/. ACM order number: 505950.

Kaltofen:1997:FPF

[KS97a]   Erich Kaltofen and Victor Shoup. Fast polynomial factorization over high algebraic extensions of finite fields. In Küchlin [Küc97], pages 184–188. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p184-kaltofen/.

Kapur:1997:EFD

[KS97b]   Deepak Kapur and Tushar Saxena. Extraneous factors in the Dixon resultant formulation. In Küchlin [Küc97], pages 141–148. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p141-kapur/.

Kauers:2006:AUS

[KS06]   Manuel Kauers and Carsten Schneider. Application of unspecified sequences in symbolic summation. In Trager [Tra06], pages 177–183. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Kauers:2007:SSR

[KS07]   Manuel Kauers and Carsten Schneider. Symbolic summation with radical expressions. In Brown [Bro07], pages 219–226. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Kauers:2010:PDB

[KS10]   Manuel Kauers and Carsten Schneider. Partial denominator bounds for partial linear difference equations. In Watt [Wat10], pages 211–218. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Kaminski:2011:UDC

[KS11a]   Jeremy-Yrmeyahu Kaminski and Yann Sepulcre. Using discriminant curves to recover a surface of P^4 from two generic linear projections. In Schost and Emiris [SE11], pages 187–192. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Kauers:2011:RDB

[KS11b]   Manuel Kauers and Carsten Schneider. A refined denominator bounding algorithm for multivariate linear difference equations. In Schost and Emiris [SE11], pages 201–208. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Kerber:2011:ERR

[KS11c]   Michael Kerber and Michael Sagraloff. Efficient real root approximation. In Schost and Emiris [SE11], pages 209–216. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Kawano:2013:QFT

[KS13]   Yasuhito Kawano and Hiroshi Sekigawa. Quantum Fourier Transform over symmetric groups. In Monagan et al. [MCG13], pages 227–234. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Khetan:2004:SRB

[KSG04]   Amit Khetan, Ning Song, and Ron Goldman. Sylvester-resultants for bivariate polynomials with planar Newton polygons. In Gutierrez [Gut04], pages 205–212. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Kato:1997:PIC

[KSI97]   Shohei Kato, Hirohisa Seki, and Hidenori Itoh. A parallel implementation of cost-based abductive reasoning. In Küchlin [Küc97], pages 111–118. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/proceedings/issac/266670/p111-kato/.

Kaltofen:2000:ETB

[KsLL00]   Erich Kaltofen, Wen shin Lee, and Austin A. Lobo. Early termination in Ben-Or/Tiwari sparse interpolation and a hybrid of

Zippel's algorithm. In Traverso [Tra00], pages 192–201. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL `http://www.acm.org/pubs/articles/proceedings/issac/345542/p192-kaltofen/p192-kaltofen.pdf`; `http://www.acm.org/pubs/citations/proceedings/issac/345542/p192-kaltofen/`. ACM order number 505000.

Khungurn:2007:MCP

[KSS07] Pramook Khungurn, Hiroshi Sekigawa, and Kiyoshi Shirayanagi. Minimum converging precision of the QR-factorization algorithm for real polynomial GCD. In Brown [Bro07], pages 227–234. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Kapur:2010:NAC

[KSW10] Deepak Kapur, Yao Sun, and Dingkang Wang. A new algorithm for computing comprehensive Gröbner systems. In Watt [Wat10], pages 29–36. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Kapur:2011:CCG

[KSW11] Deepak Kapur, Yao Sun, and Dingkang Wang. Computing comprehensive Gröbner systems and comprehensive Gröbner bases simultaneously. In Schost and Emiris [SE11], pages 193–200. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Kapur:1994:AGR

[KSY94] Deepak Kapur, Tushar Saxena, and Lu Yang. Algebraic and geometric reasoning using Dixon resultants. In ACM [ACM94], pages 99–107. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p99-kapur/`.

Kuchlin:1991:MCI

[Küc91] Wolfgang Küchlin. On the multi-threaded computation of integral polynomial greatest common divisors. In Watt [Wat91], pages 333–342. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p333-kuchlin/`.

Kuchlin:1997:PPS

[Küc97] Wolfgang W. Küchlin, editor. *ISSAC 97: July 21–23, 1997, Maui, Hawaii, USA: proceedings of the 1997 International*

Symposium on Symbolic and Algebraic Computation. ACM Press, New York, NY 10036, USA, 1997. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org/pubs/contents/proceedings/issac/258726/`.

Kutzler:1989:CAT

[Kut89]   B. Kutzler. Careful algebraic translations of geometry theorems. In Gonnet [Gon89], pages 254–263. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p254-kutzler/`. ACM order number: 505890. English and French.

Kunwar:2013:SOD

[KvH13]   Vijay Jung Kunwar and Mark van Hoeij. Second order differential equations with hypergeometric solutions of degree three. In Monagan et al. [MCG13], pages 235–242. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Kaltofen:1989:IVP

[KVY89]   E. Kaltofen, T. Valente, and N. Yui. An improved Las Vegas primality test. In Gonnet [Gon89], pages 26–33. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p26-kaltofen/`. ACM order number: 505890. English and French.

Kapur:1990:RPG

[KW90]   D. Kapur and H. K. Wan. Refutational proofs of geometry theorems via characteristic set computation. In Watanabe and Nagata [WN90], pages 277–284. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p277-kapur/`.

Kaltofen:1989:ISM

[KY89]   E. Kaltofen and L. Yagati. Improved sparse multivariate polynomial interpolation algorithms. In Gianni [Gia89], pages 467–474. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Kaltofen:2007:EAI

[KY07]   Erich Kaltofen and Zhengfeng Yang. On exact and approximate interpolation of sparse rational functions. In Brown [Bro07],

pages 203–210. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Kaltofen:2013:SMF

[KY13]   Erich L. Kaltofen and Zhengfeng Yang. Sparse multivariate function recovery from values with noise and outlier errors. In Monagan et al. [MCG13], pages 219–226. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Kanno:2007:POC

[KYAH07]   Masaaki Kanno, Kazuhiro Yokoyama, Hirokazu Anai, and Shinji Hara. Parametric optimization in control using the sum of roots for parametric polynomial spectral factorization. In Brown [Bro07], pages 211–218. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Kanno:2008:SOA

[KYAH08]   Masaaki Kanno, Kazuhiro Yokoyama, Hirokazu Anai, and Shinji Hara. Symbolic optimization of algebraic functions. In Jeffrey [Jef08], pages 147–154. ISBN 1-59593-904-0. LCCN ????

Kanno:2009:SAR

[KYAH09]   Masaaki Kanno, Kazuhiro Yokoyama, Hirokazu Anai, and Shinji Hara. Solution of algebraic Riccati equations using the sum of roots. In May [May09], pages 215–222. ISBN 1-60558-609-9. LCCN ????

Kaltofen:2006:AGC

[KYZ06]   Erich Kaltofen, Zhengfeng Yang, and Lihong Zhi. Approximate greatest common divisors of several polynomials with linearly constrained coefficients and singular polynomials. In Trager [Tra06], pages 169–176. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Kaltofen:2006:HSN

[KZ06]   Erich Kaltofen and Lihong Zhi. Hybrid symbolic-numeric computation. In Trager [Tra06], page 7. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

LakshmanYN:1996:IPI

[Lak96]   Lakshman Y. N., editor. *ISSAC '96: Proceedings of the 1996 International Symposium on Symbolic and Algebraic Computation, July 24–26, 1996, Zurich, Switzerland.* ACM Press, New

York, NY 10036, USA, 1996. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996.

Lam:1997:MPP

[Lam97]   Monica Lam. Maximizing performance on parallel machines (abstract). In Küchlin [Küc97], page 129. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/266670/p129-lam/`.

Langemyr:1991:ASA

[Lan91]   Lars Langemyr. An analysis of the subresultant algorithm over an algebraic number field. In Watt [Wat91], pages 167–172. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p167-langemyr/`.

Laplagne:2006:ACR

[Lap06]   Santiago Laplagne. An algorithm for the computation of the radical of an ideal. In Trager [Tra06], pages 191–195. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Laubenbacher:2003:CAA

[Lau03]   Reinhard Laubenbacher. A computer algebra approach to biological systems. In Senda [Sen03], pages 5–6. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Lazard:2006:SKC

[Laz06]   Daniel Lazard. Solving Kaltofen's challenge on Zolotarev's approximation problem. In Trager [Tra06], pages 196–203. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Leung:1994:CSD

[LC94]   H.-F. Leung and K. L. Clark. Constraint solving in distributed concurrent logic programming. In Hong [Hon94], pages 273–283. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Lakshman:1998:SCU

[LCJ98]   Y. N. Lakshman, Bruce Char, and Jeremy Johnson. Software components using symbolic computation for problem solving environments. In Gloor [Glo98], pages 46–53. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL `http://www.acm.org/pubs/citations/proceedings/issac/281508/p46-lakshman/`.

Li:2005:EAS

[LCW05]   Biao Li, Yong Chen, and Qi Wang. Exact analytical solutions to the nonlinear Schrödinger equation model. In Kauers [Kau05], pages 224–230. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Liska:1990:FRP

[LD90]   R. Liska and L. Drska. FIDE: a REDUCE package for automation of FInite difference method for solving pDE. In Watanabe and Nagata [WN90], pages 169–176. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p169-liska/`.

Li:2011:APF

[LD11]   Yue Li and Gabriel Dos Reis. An automatic parallelization framework for algebraic computation systems. In Schost and Emiris [SE11], pages 233–240. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Le:2002:SDS

[Le02]   Ha Le. Simplification of definite sums of rational functions by creative symmetrizing method. In Mora [Mor02], pages 161–167. ISBN 1-58113-484-3. LCCN QA76.95. URL `http://www.lifl.fr/ISSAC2002/`.

Lecerf:2000:CED

[Lec00]   Grégoire Lecerf. Computing an equidimensional decomposition of an algebraic variety by means of geometric resolutions. In Traverso [Tra00], pages 209–216. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL `http://www.acm.org/pubs/articles/proceedings/issac/345542/p209-lecerf/p209-lecerf.pdf`; `http://www.acm.org/pubs/citations/proceedings/issac/345542/p209-lecerf/`. ACM order number 505000.

Lehobey:1997:RCR

[Leh97]   Frédéric Lehobey. Resolvent computations by resultants without extraneous powers. In Küchlin [Küc97], pages 85–92. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p85-lehobey/`.

Lella:2012:EIA

[Lel12]   Paolo Lella. An efficient implementation of the algorithm computing the Borel-fixed points of a Hilbert scheme. In van der Hoeven and van Hoeij [vdHvH12], pages 242–248. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Lenstra:2013:LS

[Len13]   Hendrik Lenstra. Lattices with symmetry. In Monagan et al. [MCG13], pages 3–4. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Leong:1986:IDU

[Leo86]   B. L. Leong. Iris: design of an user interface program for symbolic algebra. In Char [Cha86b], pages 1–6. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p1-leong/. ACM order no. 505860.

Levelt:1995:IPI

[Lev95]   A. H. M. Levelt, editor. *ISSAC '95: Proceedings of the 1995 International Symposium on Symbolic and Algebraic Computation: July 10–12, 1995, Montréal, Canada*, ISSAC -PROCEEDINGS- 1995. ACM Press, New York, NY 10036, USA, 1995. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. ACM order number: 505950.

Levandovskyy:2006:IIN

[Lev06]   Viktor Levandovskyy. Intersection of ideals with noncommutative subalgebras. In Trager [Tra06], pages 212–219. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Levin:2007:GBR

[Lev07]   Alexander B. Levin. Gröbner bases with respect to several term orderings and multivariate dimension polynomials. In Brown [Bro07], pages 251–260. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Levandovskyy:2012:ECA

[Lev12]   Viktor Levandovskyy. Elements of computer-algebraic analysis. In van der Hoeven and van Hoeij [vdHvH12], pages 9–10. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Levin:2013:MDD

[Lev13]   Alexander B. Levin. Multivariate difference-differential dimension polynomials and new invariants of difference-differential field extensions. In Monagan et al. [MCG13], pages 267–274. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Leykin:2008:NPD

[Ley08]   Anton Leykin. Numerical primary decomposition. In Jeffrey [Jef08], pages 165–172. ISBN 1-59593-904-0. LCCN ????

Liao:1995:EHP

[LF95]   Hsin-Chao Liao and Richard J. Fateman. Evaluation of the heuristic polynomial GCD. In Levelt [Lev95], pages 240–247. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p240-liao/. ACM order number: 505950.

Lengauer:1997:EPP

[LGG97]   Christian Lengauer, Martin Griebl, and Sergei Gorlatch, editors. *Euro-Par'97, parallel processing: third International Euro-Par Conference, Passau, Germany, August 26–29, 1997: proceedings*, volume 1300 of *Lecture Notes in Computer Science*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1997. ISBN 3-540-63440-1 (paperback). LCCN QA76.58.I5535 1997.

Li:2011:SDR

[LGY11]   Wei Li, Xiao-Shan Gao, and Cum-Ming Yuan. Sparse differential resultant. In Schost and Emiris [SE11], pages 225–232. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Le:1999:CSC

[LH99]   Ha Le and Chris Howlett. Client-server communication standards for mathematical computation. In Dooley [Doo99], pages 299–306. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL http://www.acm.org/pubs/contents/proceedings/issac/309831/.

Li:2008:CBB

[LH08]   Hongbo Li and Lei Huang. Complex brackets, balanced complex differences, and applications in symbolic geometric computing.

In Jeffrey [Jef08], pages 181–188. ISBN 1-59593-904-0. LCCN ????

LopezGarcia:1994:TGB

[LHD94] P. Lopez Garcia, M. Hermenegildo, and S. K. Debray. Towards granularity based control of parallelism in logic programs. In Hong [Hon94], pages 133–144. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Lamagna:1992:DUI

[LHJ92] Edmund A. Lamagna, Michael B. Hayden, and Catherine W. Johnson. The design of a user interface to a computer algebra system for introductory calculus. In Wang [Wan92b], pages 358–368. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p358-lamagna/. ACM order number: 505920.

Linton:2010:ECS

[LHK+10] S. Linton, K. Hammond, A. Konovalov, A. D. Al Zain, P. Trinder, P. Horn, and D. Roozemond. Easy composition of symbolic computation software: a new lingua franca for symbolic computation. In Watt [Wat10], pages 339–346. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Li:1998:STO

[Li98] Ziming Li. A subresultant theory for Øre polynomials with applications. In Gloor [Glo98], pages 132–139. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL http://www.acm.org/pubs/citations/proceedings/issac/281508/p132-li/.

Lisonek:2000:MIT

[LI00] Petr Lisoněk and Robert B. Israel. Metric invariants of tetrahedra via polynomial elimination. In Traverso [Tra00], pages 217–219. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL http://www.acm.org/pubs/articles/proceedings/issac/345542/p217-lisonek/p217-lisonek.pdf; http://www.acm.org/pubs/citations/proceedings/issac/345542/p217-lisonek/. ACM order number 505000.

Li:2004:SCH

[Li04] Hongbo Li. Symbolic computation in the homogeneous geometric model with Clifford algebra. In Gutierrez [Gut04], pages 221–228. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Li:2007:RSG

[Li07]   Hongbo Li. A recipe for symbolic geometric computing: long ge-
           ometric product, BREEFS and Clifford factorization. In Brown
           [Bro07], pages 261–268. ISBN 1-59593-743-9 (print), 1-59593-
           742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number
           505070.

Lichtblau:2005:HGF

[Lic05]   Daniel Lichtblau. Half-GCD and fast rational recovery. In
           Kauers [Kau05], pages 231–236. ISBN 1-59593-095-7. LCCN
           ???? ACM Order Number 505050.

Linton:2004:FSI

[Lin04]   Steve Linton. Finding the smallest image of a set. In Gutierrez
           [Gut04], pages 229–234. ISBN 1-58113-827-X. LCCN QA76.95
           .I57 2004.

Liang:2008:CRC

[LJM08]   Songxin Liang, David J. Jeffrey, and Marc Moreno Maza. The
           complete root classification of a parametric polynomial on an
           interval. In Jeffrey [Jef08], pages 189–196. ISBN 1-59593-904-0.
           LCCN ????

Letichevsky:1990:APA

[LK90]   A. A. Letichevsky and J. V. Kapitonova. Algebraic pro-
           gramming in the APS system. In Watanabe and Nagata
           [WN90], pages 68–75. ISBN 0-89791-401-5 (ACM), 0-201-54892-
           5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL http://
           www.acm.org:80/pubs/citations/proceedings/issac/96877/
           p68-letichevsky/.

Li:1997:MGB

[LkGID97] Qiang Li, Yi ke Guo, Tetsuo Ida, and John Darlington.
           The minimised geometric Buchberger algorithm: an optimal
           algebraic algorithm for integer programming. In Küchlin
           [Küc97], pages 331–338. ISBN 0-89791-875-4. LCCN
           QA76.95. URL http://www.acm.org:80/pubs/citations/
           proceedings/issac/258726/p331-li/.

Letichevsky:1991:APO

[LKK91]   A. A. Letichevsky, J. V. Kapitonova, and S. V. Konozenko.
           Algebraic programs optimization. In Watt [Wat91], pages 370–
           376. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL

```
http://www.acm.org:80/pubs/citations/proceedings/issac/▊
120694/p370-letichevsky/.
```

Lin:1993:SRT

[LL93]   Dongdai Lin and Zhuojun Liu. Some results on theorem
           proving in geometry over finite fields. In Bronstein [Bro93],
           pages 292–300. ISBN 0-89791-604-2. LCCN QA 76.95
           I59 1993. URL `http://www.acm.org:80/pubs/citations/`
           `proceedings/issac/164081/p292-lin/`. ACM order number:
           505930.

Labahn:2004:HSF

[LL04]   George Labahn and Ziming Li. Hyperexponential solutions of
           finite-rank ideals in orthogonal Øre rings. In Gutierrez [Gut04],
           pages 213–220. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Loera:2008:HNA

[LLMM08]   J. A. De Loera, J. Lee, P. N. Malkin, and S. Margulies. Hilbert's
           Nullstellensatz and an algorithm for proving combinatorial in-
           feasibility. In Jeffrey [Jef08], pages 197–206. ISBN 1-59593-904-
           0. LCCN ????

Licciardi:1994:IHC

[LM94]   Sandra Licciardi and Teo Mora. Implicitization of hyper-
           surfaces and curves by the Primbasissatz and basis conver-
           sion. In ACM [ACM94], pages 191–196. ISBN 0-89791-
           638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.`
           `org:80/pubs/citations/proceedings/issac/190347/p191-`
           `licciardi/`.

Luks:2002:PTN

[LM02]   Eugene M. Luks and Takunari Miyazaki. Polynomial-time nor-
           malizers for permutation groups with restricted composition
           factors. In Mora [Mor02], pages 176–183. ISBN 1-58113-484-3.
           LCCN QA76.95. URL `http://www.lifl.fr/ISSAC2002/`.

Levandovskyy:2008:CMT

[LM08]   Viktor Levandovskyy and Jorge Martin Morales. Computa-
           tional D-module theory with singular, comparison with other
           systems and two new algorithms. In Jeffrey [Jef08], pages 173–
           180. ISBN 1-59593-904-0. LCCN ????

Lamban:2013:CSM

[LMMRRR13] Laureano Lambán, Francisco J. Martín-Mateos, Julio Rubio, and José-Luis Ruiz-Reina. Certified symbolic manipulation: bivariate simplicial polynomials. In Monagan et al. [MCG13], pages 243–250. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Li:2009:CMR

[LMP09] Xin Li, Marc Moreno Maza, and Wei Pan. Computations modulo regular chains. In May [May09], pages 239–246. ISBN 1-60558-609-9. LCCN ????

Lemaire:2008:WDE

[LMPX08] Francois Lemaire, Marc Moreno Maza, Wei Pan, and Yuzhen Xie. When does (T) equal $\mathrm{Sat}(T)$? In Jeffrey [Jef08], pages 207–214. ISBN 1-59593-904-0. LCCN ????

Li:2007:FAT

[LMS07] Xin Li, Marc Moreno Maza, and Éric Schost. Fast arithmetic for triangular sets: from theory to practice. In Brown [Bro07], pages 269–276. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Lebreton:2013:CSB

[LMS13] Romain Lebreton, Esmaeil Mehrabi, and Eric Schost. On the complexity of solving bivariate systems: the case of non-singular solutions. In Monagan et al. [MCG13], pages 251–258. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Li:1997:MAC

[LN97] Ziming Li and István Nemes. A modular algorithm for computing greatest common right divisors of Øre polynomials. In Küchlin [Küc97], pages 282–289. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p282-li/.

Lamban:1999:SI

[LPR99] Laureano Lambán, Vico Pascual, and Julio Rubio. Specifying implementations. In Dooley [Doo99], pages 245–251. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL http://www.acm.org/pubs/contents/proceedings/issac/309831/.

Lisle:1995:ADS

[LRB95]   I. G. Lisle, G. J. Reid, and A. Boulton. Algorithmic determination of structure of infinite Lie pseudogroups of symmetries of PDEs. In Levelt [Lev95], pages 1–6. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p1-lisle/`. ACM order number: 505950.

Luks:1994:CNP

[LRW94]   Eugene M. Luks, Ferenc Rákóczi, and Charles R. B. Wright. Computing normalizers in permutation p-groups. In ACM [ACM94], pages 139–146. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p139-luks/`.

Llovet:1990:MAC

[LS90]   J. Llovet and J. R. Sendra. A modular approach to the computation of the number of real roots. In Watanabe and Nagata [WN90], page 298. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p298-llovet/`.

Lempken:1992:SPS

[LS92]   W. Lempken and R. Staszewski. The structure of the PIMs of SL(3,4) in characteristic 2. In Wang [Wan92b], pages 233–239. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p233-lempken/`. ACM order number: 505920.

LakshmanYN:1994:CSS

[LS94]   Lakshman Y. N. and B. David Saunders. On computing sparse shifts for univariate polynomials. In ACM [ACM94], pages 108–113. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p108-lakshman/`.

Levandovskyy:2003:PCA

[LS03]   Viktor Levandovskyy and Hans Schönemann. Plural: a computer algebra system for noncommutative polynomial algebras. In Senda [Sen03], pages 176–183. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Lebreton:2012:AUD

[LS12]   Romain Lebreton and Éric Schost. Algorithms for the universal decomposition algebra. In van der Hoeven and van Hoeij [vdHvH12], pages 234–241. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Levandovskyy:2013:ECG

[LSS13]   Viktor Levandovskyy, Grischa Studzinski, and Benjamin Schnitzler. Enhanced computations of Gröbner bases in free algebras as a new application of the letterplace paradigm. In Monagan et al. [MCG13], pages 259–266. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Li:2002:FZD

[LST02]   Ziming Li, Fritz Schwarz, and Serguei P. Tsarev. Factoring zero-dimensional ideals of linear partial differential operators. In Mora [Mor02], pages 168–175. ISBN 1-58113-484-3. LCCN QA76.95. URL http://www.lifl.fr/ISSAC2002/.

Landsmann:2000:SPP

[LSWH00]   Günter Landsmann, Josef Schicho, Franz Winkler, and Erik Hillgarter. Symbolic parametrization of pipe and canal surfaces. In Traverso [Tra00], pages 202–208. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL http://www.acm.org/pubs/citations/proceedings/issac/345542/p202-landsmann/. ACM order number 505000.

Li:2006:RMD

[LSWZ06]   Ziming Li, Michael F. Singer, Min Wu, and Dabin Zheng. A recursive method for determining the one-dimensional submodules of Laurent–Øre modules. In Trager [Tra06], pages 220–227. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Li:2011:ARS

[LSYL11]   Hongbo Li, Ruiyong Sun, Shoubin Yao, and Ge Li. Approximate rational solutions torational ODEs defined on discrete differentiable curves. In Schost and Emiris [SE11], pages 217–224. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Lemaire:2010:MSR

[LÜ10]   François Lemaire and Asli Ürgüplü. A method for semi-rectifying algebraic and differential systems using scaling type

Lie point symmetries with linear algebra. In Watt [Wat10], pages 85–92. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Lucks:1986:FIP

[Luc86]   Michael Lucks. A fast implementation of polynomial factorization. In Char [Cha86b], pages 228–232. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p228-lucks/`. ACM order no. 505860.

Liska:1991:ADS

[LuS91]   Richard Liska and Michail Yu. u. Shashkov. Algorithms for difference schemes construction on non-orthogonal logically rectangular meshes. In Watt [Wat91], pages 419–426. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p419-liska/`.

Leff:1986:CSG

[LY86]   L. Leff and D. Y. Y. Yun. Constructive solid geometry: a symbolic computation approach. In Char [Cha86b], pages 121–126. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p121-leff/`. ACM order no. 505860.

Li:2013:SDR

[LYG13]   Wei Li, Chun-Ming Yuan, and Xiao-Shan Gao. Sparse difference resultant. In Monagan et al. [MCG13], pages 275–282. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Li:2010:BID

[LYZ10]   Zijia Li, Zhengfeng Yang, and Lihong Zhi. Blind image deconvolution via fast approximate GCD. In Watt [Wat10], pages 155–162. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

MacCallum:1989:ODE

[Mac89]   M. A. H. MacCallum. An ordinary differential equation solver for REDUCE. In Gianni [Gia89], pages 196–205. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Macutan:1999:FSS

[Mac99]   Y. O. Macutan. Formal solutions of scalar singularly-perturbed linear differential equations. In Dooley [Doo99], pages 113–120. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL `http://www.acm.org/pubs/contents/proceedings/issac/309831/`.

Maignan:1998:SOT

[Mai98]   Aude Maignan. Solving one and two-dimensional exponential polynomial systems. In Gloor [Glo98], pages 215–221. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL `http://www.acm.org/pubs/citations/proceedings/issac/281508/p215-maignan/`.

Manocha:1990:RCP

[Man90]   D. Manocha. Regular curves and proper parametrizations. In Watanabe and Nagata [WN90], pages 271–276. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p271-manocha/`.

Mandache:1994:GBA

[Man94a]   Ana Maria Mandache. The Gröbner basis algorithm and sub-resultant theory. In ACM [ACM94], pages 123–128. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p123-mandache/`.

Manocha:1994:CSS

[Man94b]   Dinesh Manocha. Computing selected solutions of polynomial equations. In ACM [ACM94], pages 1–8. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p1-manocha/`.

Mansfield:2008:DAD

[Man08]   Elizabeth L. Mansfield. Digital atlases and difference forms. In Jeffrey [Jef08], pages 3–4. ISBN 1-59593-904-0. LCCN ????

Marzinkewitsch:1991:OCA

[Mar91]   Reiner Marzinkewitsch. Operating computer algebra systems by handprinted input. In Watt [Wat91], pages 411–413. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p411-marzinkewitsch/`.

Marje:1995:NLA

[Mar95]   Prabhav Marje. A nearly linear algorithm for Sylow subgroups in small-base groups. In Levelt [Lev95], pages 270–277. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p270-marje/`. ACM order number: 505950.

Mawata:1986:SDR

[Maw86]   C. P. Mawata. A sparse distributed representation using prime numbers. In Char [Cha86b], pages 110–114. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p110-mawata/`. ACM order no. 505860.

May:2009:PIS

[May09]   John P. May, editor. *Proceedings of the 2009 international symposium on Symbolic and algebraic computation, KIAS, Seoul, Korea, July 28–31, 2009.* ACM Press, New York, NY 10036, USA, 2009. ISBN 1-60558-609-9. LCCN ????

Maza:2006:TDP

[Maz06]   Marc Moreno Maza. Triangular decompositions of polynomial systems: from theory to practice. In Trager [Tra06], page 8. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

McCallum:2009:DVC

[MB09]   Scott McCallum and Christopher W. Brown. On delineability of varieties in CAD-based quantifier elimination with two equational constraints. In May [May09], pages 71–78. ISBN 1-60558-609-9. LCCN ????

Mutrie:1992:AFE

[MBC92]   Mark P. W. Mutrie, Richard H. Bartels, and Bruce W. Char. An approach for floating-point error analysis using computer algebra. In Wang [Wan92b], pages 284–293. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p284-mutrie/`. ACM order number: 505920.

Manocha:1991:ETM

[MC91]   Dinesh Manocha and John Canny. Efficient techniques for multipolynomial resultant algorithms. In Watt [Wat91],

pages 86–95. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/ proceedings/issac/120694/p86-manocha/.

Manocha:1992:MRL

[MC92] Dinesh Manocha and John F. Canny. Multipolynomial re-sultants and linear algebra. In Wang [Wan92b], pages 158–167. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL http://www.acm. org:80/pubs/citations/proceedings/issac/143242/p158-manocha/. ACM order number: 505920.

McCallum:1999:PCB

[McC99] Scott McCallum. On projection in CAD-based quantifier elim-ination with equational constraint. In Dooley [Doo99], pages 145–149. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL http://www.acm.org/pubs/contents/proceedings/issac/ 309831/.

McCallum:2001:PEC

[McC01] Scott McCallum. On propagation of equational constraints in CAD-based quantifier elimination. In Mourrain [Mou01], pages 223–231. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

McCallum:2003:OIB

[McC03] Scott McCallum. On order-invariance of a binomial over a nul-lifying cell. In Senda [Sen03], pages 184–190. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

McCarron:2012:SHQ

[McC12] James McCarron. Small homogeneous quandles. In van der Hoeven and van Hoeij [vdHvH12], pages 257–264. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Monagan:2013:IPI

[MCG13] Michael Monagan, Gene Cooperman, and Mark Giesbrecht, ed-itors. *ISSAC 2013: Proceedings of the 2013 International Sym-posium on Symbolic and Algebraic Computation, June 26–29, 2013, Boston, MA, USA*. ACM Press, New York, NY 10036, USA, 2013. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Mezzarobba:2010:NPN

[Mez10]   Marc Mezzarobba. NumGfun: a package for numerical and analytic computation with D-finite functions. In Watt [Wat10], pages 139–145. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Murao:1994:MAS

[MF94]   H. Murao and T. Fujise. Modular algorithm for sparse multivariate polynomial interpolation and its parallel implementation. In Hong [Hon94], pages 304–315. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Murao:1997:TEI

[MF97]   Hirokazu Murao and Tetsuro Fujise. Towards an efficient implementation of a fast algorithm for multipoint polynomial evaluation and its parallel processing. In Küchlin [Küc97], pages 24–30. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/proceedings/issac/266670/p24-murao/.

Monagan:1994:SFA

[MG94]   Michael B. Monagan and Gaston H. Gonnet. Signature functions for algebraic numbers. In ACM [ACM94], pages 291–296. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p291-monagan/.

Molenkamp:1991:IAA

[MGv91]   J. H. J. Molenkamp, V. V. Goldman, and J. A. van Hulzen. An improved approach to automatic error cumulation control. In Watt [Wat91], pages 414–418. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p414-molenkamp/.

Majewski:1995:SEG

[MH95]   Bohdan S. Majewski and George Havas. A solution to the extended gcd problem. In Levelt [Lev95], pages 248–253. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p248-majewski/. ACM order number: 505950.

Montelius:1997:EPS

[MH97]   Johan Montelius and Seif Haridi. An evaluation of Penny: a system for fine grain implicit parallelism. In Küchlin [Küc97], pages

46–57. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/266670/p46-montelius/`.

Mansfield:2001:TAW

[MH01] Elizabeth L. Mansfield and Peter E. Hydon. Towards approximations which preserve integrals. In Mourrain [Mou01], pages 217–222. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Miller:1989:PGE

[Mil89] B. R. Miller. A program generator for efficient evaluation of Fourier series. In Gonnet [Gon89], pages 199–206. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p199-miller/`. ACM order number: 505890. English and French.

Milowski:2004:CII

[Mil04] R. Alexander Milowski. Computing irredundant irreducible decompositions of large scale monomial ideals. In Gutierrez [Gut04], pages 235–242. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Miller:2011:CAE

[Mil11] Victor S. Miller. Computational aspects of elliptic curves and modular forms. In Schost and Emiris [SE11], pages 1–2. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Minkwitz:1995:COI

[Min95] Torsten Minkwitz. On the computation of ordinary irreducible representations of finite groups. In Levelt [Lev95], pages 278–284. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p278-minkwitz/`. ACM order number: 505950.

Minimair:2003:FSR

[Min03] Manfred Minimair. Factoring sparse resultants of linearly combined polynomials. In Senda [Sen03], pages 207–214. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Minimair:2006:RSC

[Min06]   Manfred Minimair. Resultants of skewly composed polynomials. In Trager [Tra06], pages 228–233. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Miyamoto:2000:CNP

[Miy00]   Izumi Miyamoto.   Computing normalizers of permutation groups efficiently using isomorphisms of association schemes.   In Traverso [Tra00], pages 220–224.   ISBN 1-58113-218-2.   LCCN QA76.95.I59 2000.   URL `http://www.acm.org/pubs/articles/proceedings/issac/345542/p220-miyamoto/p220-miyamoto.pdf;    http://www.acm.org/pubs/citations/proceedings/issac/345542/p220-miyamoto/`. ACM order number 505000.

Miyamoto:2006:IGN

[Miy06]   Izumi Miyamoto. An improvement of GAP normalizer function for permutation groups. In Trager [Tra06], pages 234–238. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Miyamoto:2007:CSM

[Miy07]   Izumi Miyamoto. A computation of some multiply homogeneous superschemes from transitive permutation groups. In Brown [Bro07], pages 293–298. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Moritsugu:1999:MZS

[MK99]   Schuichi Moritsugu and Kazuko Kuriyama. On multiple zeros of systems of algebraic equations. In Dooley [Doo99], pages 23–30. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL `http://www.acm.org/pubs/contents/proceedings/issac/309831/`.

Monagan:1997:TPM

[MM97]   Michael B. Monagan and Gladys Monagan.   A toolbox for program manipulation and efficient code generation with an application to a problem in computer vision.   In Küchlin [Küc97], pages 257–264.   ISBN 0-89791-875-4.   LCCN QA76.95.   URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p257-monagan/`.

Mulholland:2001:ATP

[MM01]   Jamie Mulholland and Michael Monagan.   Algorithms for trigonometric polynomials. In Mourrain [Mou01], pages 245–

252. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Mantzaflaris:2011:DCI

[MM11] Angelos Mantzaflaris and Bernard Mourrain. Deflation and certified isolation of singular zeros of polynomial systems. In Schost and Emiris [SE11], pages 249–256. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Marinari:1991:GBI

[MMM91] M. G. Marinari, H. M. Möller, and T. Mora. Gröbner bases of ideals given by dual bases. In Watt [Wat91], pages 55–63. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p55-marinari/.

Marinari:1995:GDM

[MMM95] Maria Grazia Marinari, Teo Mora, and Hans Michael Möller. Gröbner duality and multiplicities in polynomial system solving. In Levelt [Lev95], pages 167–179. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p167-marinari/. ACM order number: 505950.

Mihailescu:2007:CES

[MMS07] P. Mihailescu, F. Morain, and É. Schost. Computing the eigenvalue in the Schoof–Elkies–Atkin algorithm using Abelian lifts. In Brown [Bro07], pages 285–292. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Moller:1992:GBC

[MMT92] H. Michael Möller, Teo Mora, and Carlo Traverso. Gröbner bases computation using syzygies. In Wang [Wan92b], pages 320–328. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p320-moller/. ACM order number: 505920.

Monagan:1993:GAD

[MN93] Michael B. Monagan and Walter M. Neuenschwander. GRADIENT: algorithmic differentiation in Maple. In Bronstein [Bro93], pages 68–76. ISBN 0-89791-604-2. LCCN QA 76.95

I59 1993. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p68-monagan/`. ACM order number: 505930.

Monagan:2004:MQR

[Mon04]   Michael Monagan. Maximal quotient rational reconstruction: an almost optimal algorithm for rational reconstruction. In Gutierrez [Gut04], pages 243–249. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Monagan:2005:PAC

[Mon05]   Michael Monagan. Probabilistic algorithms for computing resultants. In Kauers [Kau05], pages 245–252. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Moody:2011:DPJ

[Moo11]   Dustin Moody. Division polynomials for Jacobi quartic curves. In Schost and Emiris [SE11], pages 265–272. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Mora:1989:AAA

[Mor89a]   T. Mora, editor. *Applied Algebra, Algebraic Algorithms and Error-Correcting Codes. 6th International Conference, AAECC-6, Rome, Italy, July 4–8, 1988. Proceedings*, volume 357 of *Lecture Notes in Computer Science*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1989. ISBN 3-540-51083-4. LCCN QA268 .A35 1988. Conference held jointly with ISSAC '88.

Mora:1989:GBN

[Mor89b]   T. Mora. Gröbner bases in noncommutative algebras. In Gianni [Gia89], pages 150–161. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Morain:1992:ENE

[Mor92]   F. Morain. Easy numbers for the elliptic curve primality proving algorithm. In Wang [Wan92b], pages 263–268. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p263-morain/`. ACM order number: 505920.

	Morje:1995:NLA

[Mor95]   P. Morje. A nearly linear algorithm for Sylow subgroups in small-base groups. In Levelt [Lev95], pages 270–277. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. ACM order number: 505950.

	Mora:2002:IPI

[Mor02]   Teo Mora, editor. *ISSAC 2002: Proceedings of the 2002 International Symposium on Symbolic and Algebraic Computation, July 07–10, 2002, Université de Lille, Lille, France.* ACM Press, New York, NY 10036, USA, 2002. ISBN 1-58113-484-3. LCCN QA76.95. URL http://www.lifl.fr/ISSAC2002/.

	Moroz:2006:CRP

[Mor06]   Guillaume Moroz. Complexity of the resolution of parametric systems of polynomial equations and inequations. In Trager [Tra06], pages 246–253. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

	Mourrain:1993:GPP

[Mou93]   B. Mourrain. The 40 "generic" positions of a parallel robot. In Bronstein [Bro93], pages 173–182. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p173-mourrain/. ACM order number: 505930.

	Mourrain:2001:IJU

[Mou01]   Bernard Mourrain, editor. *ISSAC 2001: July 22–25, 2001, University of Western Ontario, London, Ontario, Canada: proceedings of the 2001 International Symposium on Symbolic and Algebraic Computation.* ACM Press, New York, NY 10036, USA, 2001. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

	Mourrain:2005:GNF

[Mou05]   Bernard Mourrain. Generalized normal forms and polynomial system solving. In Kauers [Kau05], pages 253–260. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

	Mishra:1990:ARA

[MP90]   B. Mishra and P. Pedersen. Arithmetic with real algebraic numbers is in NC. In Watanabe and Nagata [WN90], pages 120–126. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley).

LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p120-mishra/`.

Monagan:2006:RSM

[MP06]   Michael Monagan and Roman Pearce. Rational simplification modulo a polynomial ideal. In Trager [Tra06], pages 239–245. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Monagan:2009:PSP

[MP09]   Michael Monagan and Roman Pearce. Parallel sparse polynomial multiplication using heaps. In May [May09], pages 263–270. ISBN 1-60558-609-9. LCCN ????

Minh:1998:CMG

[MPV98]   Hoang Ngoc Minh, Michel Petitot, and Joris Van Der Hoeven. Computation of the monodromy of generalized polylogarithms. In Gloor [Glo98], pages 276–283. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL `http://www.acm.org/pubs/citations/proceedings/issac/281508/p276-minh/`.

Muller-Quade:1998:DLD

[MQR98]   Jörn Müller-Quade and Martin Rötteler. Deciding linear disjointness of finitely generated fields. In Gloor [Glo98], pages 153–160. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL `http://www.acm.org/pubs/citations/proceedings/issac/281508/p153-muller-quade/`.

Murray:1989:EPD

[MR89]   N. V. Murray and E. Rosenthal. Employing path dissolution to shorten tableaux proofs. In Gonnet [Gon89], pages 373–381. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p373-murray/`. ACM order number: 505890. English and French.

Murray:1990:RIT

[MR90]   N. V. Murray and E. Rosenthal. Reexamining intractability of tableau methods. In Watanabe and Nagata [WN90], pages 52–59. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p52-murray/`.

Madlener:1993:CGB

[MR93]   Klaus Madlener and Birgit Reinert. Computing Gröbner bases in monoid and group rings. In Bronstein [Bro93], pages 254–263. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL `http://www.acm.org:80/pubs/citations/ proceedings/issac/164081/p254-madlener/`. ACM order number: 505930.

Marti:1994:CSS

[MR94]   P. Marti and M. Rucher. A cooperative scheme for solving constraints over the reals. In Hong [Hon94], pages 284–293. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Mayr:2010:DBG

[MR10]   Ernst W. Mayr and Stephan Ritscher. Degree bounds for Gröbner bases of low-dimensional polynomial ideals. In Watt [Wat10], pages 21–27. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Mayr:2011:SEG

[MR11]   Ernst W. Mayr and Stephan Ritscher. Space-efficient Gröbner basis computation without degree bounds. In Schost and Emiris [SE11], pages 257–264. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Musser:1989:GP

[MS89]   D. R. Musser and A. A. Stepanov. Generic programming. In Gianni [Gia89], pages 13–25. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Marinuzzi:1992:LNS

[MS92]   Francesco Marinuzzi and Stefano Soliani. LISA: A new symbolic package for the definition, analysis and resolution of Markovian processes: symbolic and inductive techniques. In Wang [Wan92b], pages 303–311. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL `http://www.acm.org:80/pubs/ citations/proceedings/issac/143242/p303-marinuzzi/`. ACM order number: 505920.

McKay:1997:FRA

[MS97]   John McKay and Richard Stauduhar. Finding relations among the roots of an irreducible polynomial. In Küchlin [Küc97],

pages 75–77. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/`▮ `p75-mckay/`.

Mulders:1998:M

[MS98]   Thom Mulders and Arne Storjohann. The modulo N extended GCD problem for the polynomials. In Gloor [Glo98], pages 105–112. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL `http://www.acm.org/pubs/citations/proceedings/issac/` `281508/p105-mulders/`.

Mulders:1999:DLS

[MS99]   Thom Mulders and Arne Storjohann. Diophantine linear system solving. In Dooley [Doo99], pages 181–188. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL `http://www.acm.org/pubs/` `contents/proceedings/issac/309831/`.

Mulders:2000:RSS

[MS00]   Thom Mulders and Arne Storjohann. Rational solutions of singular linear systems. In Traverso [Tra00], pages 242–249. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL `http://www.` `acm.org/pubs/articles/proceedings/issac/345542/p242-` `mulders/p242-mulders.pdf;` `http://www.acm.org/pubs/` `citations/proceedings/issac/345542/p242-mulders/`. ACM▮ order number 505000.

Matera:2002:DHF

[MS02]   Guillermo Matera and Alexandre Sedoglavic. The differential Hilbert function of a differential rational mapping can be computed in polynomial time. In Mora [Mor02], pages 184–191. ISBN 1-58113-484-3. LCCN QA76.95. URL `http://www.lifl.` `fr/ISSAC2002/`.

Mansfield:2003:ETD

[MS03a]   E. L. Mansfield and A. Szanto. Elimination theory for differential difference polynomials. In Senda [Sen03], pages 191–198. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Meunier:2003:EAG

[MS03b]   Ludovic Meunier and Bruno Salvy. ESF: an automatically generated encyclopedia of special functions. In Senda [Sen03], pages 199–206. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Mehlhorn:2009:IRR

[MS09]   Kurt Mehlhorn and Michael Sagraloff. Isolating real roots of real polynomials. In May [May09], pages 247–254. ISBN 1-60558-609-9. LCCN ????

Morel:2009:HLU

[MSV09]   Ivan Morel, Damien Stehlé, and Gilles Villard. H-LLL: using Householder inside LLL. In May [May09], pages 271–278. ISBN 1-60558-609-9. LCCN ????

May:2007:EMR

[MSW07]   John P. May, David Saunders, and Zhendong Wan. Efficient matrix rank computation with application to the study of strongly regular graphs. In Brown [Bro07], pages 277–284. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Mehlhorn:2013:AFR

[MSW13]   Kurt Mehlhorn, Michael Sagraloff, and Pengming Wang. From approximate factorization to root isolation. In Monagan et al. [MCG13], pages 283–290. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Massey:1994:OCM

[MT94]   B. Massey and E. Tick. Optimizing clause matching automata in committed-choice languages. In Hong [Hon94], pages 294–303. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Mourrain:2000:SPC

[MT00]   Bernard Mourrain and Philippe Trébuchet. Solving projective complete intersection faster. In Traverso [Tra00], pages 234–241. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL http://www.acm.org/pubs/articles/proceedings/issac/345542/p234-mourrain/p234-mourrain.pdf; http://www.acm.org/pubs/citations/proceedings/issac/345542/p234-mourrain/. ACM order number 505000.

Mourrain:2012:BBR

[MT12]   Bernard Mourrain and Philippe Trébuchet. Border basis representation of a general quotient algebra. In van der Hoeven and van Hoeij [vdHvH12], pages 265–272. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Muller:1998:MDM

[Mül98]   Jürgen Müller. The 5-modular decomposition matrix of the sporadic simple Conway group Co$_3$. In Gloor [Glo98], pages 179–185. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL `http://www.acm.org/pubs/citations/proceedings/issac/281508/p179-muller/`.

Mazurik:1990:SCS

[MV90]   S. I. Mazurik and E. V. Vorozhtsov. Symbolic-numerical computations in the stability analyses of difference schemes. In Watanabe and Nagata [WN90], pages 177–184. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p177-mazurik/`.

Menezes:1989:SCA

[MvV89]   A. J. Menezes, P. C. van Oorschot, and S. A. Vanstone. Some computational aspects of root finding in $GF(q^m)$. In Gianni [Gia89], pages 259–270. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Man:1994:FPD

[MW94]   Yiu-Kwong Man and Francis J. Wright. Fast polynomial dispersion computation and its application to indefinite summation. In ACM [ACM94], pages 175–180. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p175-man/`.

Monagan:2000:DIB

[MW00]   Michael B. Monagan and Allan D. Wittkopf. On the design and implementation of Brown's algorithm over the integers and number fields. In Traverso [Tra00], pages 225–233. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL `http://www.acm.org/pubs/articles/proceedings/issac/345542/p225-monagan/p225-monagan.pdf`; `http://www.acm.org/pubs/citations/proceedings/issac/345542/p225-monagan/`. ACM order number 505000.

Micciancio:2001:LSA

[MW01]   Daniele Micciancio and Bogdan Warinschi. A linear space algorithm for computing the Hermite normal form. In Mourrain [Mou01], pages 231–236. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Mao:2005:AWM

[MW05] Weibo Mao and Jinzhao Wu. Application of Wu's method to symbolic model checking. In Kauers [Kau05], pages 237–244. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Mevissen:2009:SPS

[MYT09] Martin Mevissen, Kosuke Yokoyama, and Nobuki Takayama. Solutions of polynomial systems derived from the steady cavity flow problem. In May [May09], pages 255–262. ISBN 1-60558-609-9. LCCN ????

Mikhalev:1996:APE

[MZ96] Alexander A. Mikhalev and Andrej A. Zolotykh. Algorithms for primitive elements of free Lie algebras and Lie superalgebras. In Lakshman Y. N. [Lak96], pages 161–169. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p161-mikhalev/.

Mingsheng:2001:RGB

[MZ01] Wang Mingsheng and Liu Zhuojun. Remarks on Gröbner basis for ideals under composition. In Mourrain [Mou01], pages 237–244. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Ma:2011:MRG

[MZ11] Yue Ma and Lihong Zhi. The minimum-rank gram matrix completion via modified fixed point continuation method. In Schost and Emiris [SE11], pages 241–248. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Ma:2012:CRS

[MZ12] Yue Ma and Lihong Zhi. Computing real solutions of polynomial systems via low-rank moment matrix completion. In van der Hoeven and van Hoeij [vdHvH12], pages 249–256. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Nabeshima:2007:SAC

[Nab07] Katsusuke Nabeshima. A speed-up of the algorithm for computing comprehensive Gröbner systems. In Brown [Bro07], pages 299–306. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Nagasaka:2002:TCI

[Nag02]   Kosaku Nagasaka. Towards certified irreducibility testing of bivariate approximate polynomials. In Mora [Mor02], pages 192–199. ISBN 1-58113-484-3. LCCN QA76.95. URL `http://www.lifl.fr/ISSAC2002/`.

Nagasaka:2011:CSG

[Nag11]   Kosaku Nagasaka. Computing a structured Gröbner basis approximately. In Schost and Emiris [SE11], pages 273–280. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Nam:1995:HSM

[Nam95]   Trˆàn Quoˆác Nam. A hybrid symbolic-numerical method for tracing surface-to-surface intersections. In Levelt [Lev95], pages 51–58. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p51-nam/`. ACM order number: 505950.

Norman:1996:MTA

[NF96]   Arthur Norman and John Fitch. Memory tracing of algebraic calculations. In Lakshman Y. N. [Lak96], pages 113–119. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p113-norman/`.

Norman:1997:CPP

[NF97]   Arthur Norman and John Fitch. CABAL: polynomial and power series algebra on a parallel computer. In Küchlin [Küc97], pages 196–203. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/266670/p196-norman/`.

Ng:1979:SAC

[Ng79]   Edward W. Ng, editor. *Symbolic and algebraic computation: EUROSAM '79, an International Symposium on Symbolic and Algebraic Manipulation, Marseille, France, June 1979*, volume 72 of *Lecture Notes in Computer Science*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1979. CODEN LNCSD9. ISBN 0-387-09519-5. ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN QA155.7.E4 E88 1979.

Noda:1990:SHI

[NM90]   Matu-Tarow T. Noda and E. Miyahiro. On the symbolic/
           numeric hybrid integration. In Watanabe and Nagata [WN90],
           page 304. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-
           Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.`
           `org:80/pubs/citations/proceedings/issac/96877/p304-`
           `noda/`.

Noro:1997:CRF

[NM97]   Masayuki Noro and John McKay. Computation of replicable
           functions on Risa/Asir. In Küchlin [Küc97], pages 130–138.
           ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.`
           `org:80/pubs/citations/proceedings/issac/266670/p130-`
           `noro/`.

Nocker:2000:SRP

[Nöc00]   Michael Nöcker. Some remarks on parallel exponentiation (ex-
           tended abstract). In Traverso [Tra00], pages 250–257. ISBN
           1-58113-218-2. LCCN QA76.95.I59 2000. URL `http://`
           `www.acm.org/pubs/citations/proceedings/issac/345542/`
           `p250-nocker/`. ACM order number 505000.

Norman:1990:CBI

[Nor90]   A. C. Norman. A critical-pair/completion based integration
           algorithm. In Watanabe and Nagata [WN90], pages 201–205.
           ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley).
           LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/`
           `pubs/citations/proceedings/issac/96877/p201-norman/`.

Nordbeck:1998:CSB

[Nor98a]   Patrik Nordbeck. Canonical subalgebraic bases in non-
           commutative polynomial rings. In Gloor [Glo98], pages 140–
           146. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL
           `http://www.acm.org/pubs/citations/proceedings/issac/`
           `281508/p140-nordbeck/`.

Norenberg:1998:CMA

[Nör98b]   R. Nörenberg. Covering monomial algebras. In Gloor [Glo98],
           pages 161–164. ISBN 1-58113-002-3. LCCN QA155.7.E4
           E88 1998. URL `http://www.acm.org/pubs/citations/`
           `proceedings/issac/281508/p161-norenberg/`.

Norman:2000:FEJ

[Nor00] Arthur C. Norman. Further evaluation of Java for symbolic computation. In Traverso [Tra00], pages 258–265. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL `http://www.acm.org/pubs/articles/proceedings/issac/345542/p258-norman/p258-norman.pdf`; `http://www.acm.org/pubs/citations/proceedings/issac/345542/p258-norman/`. ACM order number 505000.

Noro:2006:MDE

[Nor06] Masayuki Noro. Modular dynamic evaluation. In Trager [Tra06], pages 262–268. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Neunhoffer:2006:DSU

[NS06] Max Neunhöffer and Ákos Seress. A data structure for a uniform approach to computations with finite groups. In Trager [Tra06], pages 254–261. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Noro:1992:RCA

[NT92] Masayuki Noro and Taku Takeshima. Risa/Asir — a computer algebra system. In Wang [Wan92b], pages 387–396. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p387-noro/`. ACM order number: 505920.

Nussbaum:1997:RPP

[Nus97] Doron Nussbaum. Rectilinear *p*-piercing problems. In Küchlin [Küc97], pages 316–323. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p316-nussbaum/`.

Noro:2002:YAP

[NY02] Masayuki Noro and Kazuhiro Yokoyama. Yet another practical implementation of polynomial factorization over finite fields. In Mora [Mor02], pages 200–206. ISBN 1-58113-484-3. LCCN QA76.95. URL `http://www.lifl.fr/ISSAC2002/`.

Oaku:1994:AFS

[Oak94] Toshinori Oaku. Algorithms for finding the structure of solutions of a system of linear partial differential equations.

In ACM [ACM94], pages 216–223. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p216-oaku/`.

Oaku:2012:ACD

[Oak12] Toshinori Oaku. An algorithm to compute the differential equations for the logarithm of a polynomial. In van der Hoeven and van Hoeij [vdHvH12], pages 273–280. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Ohno:1997:IMC

[OIiM+97] Kazuhiko Ohno, Masahiko Ikawa, Shin ichiro Mori, Hiroshi Nakashima, Shinji Tomita, and Masahiro Goshima. Improvement of message communication in concurrent logic language. In Küchlin [Küc97], pages 156–164. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/266670/p156-ohno/`.

Okada:1989:SNC

[Oka89] M. Okada. Strong normalizability for the combined system of the typed λ calculus and an arbitrary convergent term rewrite system. In Gonnet [Gon89], pages 357–363. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p357-okada/`. ACM order number: 505890. English and French.

Okubo:1990:GTO

[Oku90] K. Okubo. Global theory of ordinary differential equations and formula manipulation. In Watanabe and Nagata [WN90], pages 193–200. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p193-okubo/`.

Ollivier:1989:IRM

[Oll89] F. Ollivier. Inversibility of rational mappings and structural identifiability in automatics. In Gonnet [Gon89], pages 43–54. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p43-ollivier/`. ACM order number: 505890. English and French.

Orange:2009:CSS

[ORY09]   Sébastien Orange, Guénaël Renault, and Kazuhiro Yokoyama. Computation schemes for splitting fields of polynomials. In May [May09], pages 279–286. ISBN 1-60558-609-9. LCCN ????

OHearn:1989:NTP

[OS89]   P. O'Hearn and Z. Stachniak. Note on theorem proving strategies for resolution counterparts of nonclassical logics. In Gonnet [Gon89], pages 364–372. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p364-o_hearn/. ACM order number: 505890. English and French.

Oevel:1991:YES

[OS91]   Walter Oevel and Klaus Strack. The Yang–Baxter equation and a systematic search for Poisson brackets on associative algebras. In Watt [Wat91], pages 229–236. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p229-oevel/.

Orden:2004:PNC

[OS04]   David Orden and Francisco Santos. The polytope of non-crossing graphs on a planar point set. In Gutierrez [Gut04], pages 250–257. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Oancea:2005:DEI

[OW05]   Cosmin E. Oancea and Stephen M. Watt. Domains and expressions: an interface between two approaches to computer algebra. In Kauers [Kau05], pages 261–268. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Painter:1992:MES

[Pai92]   Jeffrey F. Painter. The matrix editor for symbolic Jacobians in ALPAL. In Wang [Wan92b], pages 312–319. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p312-painter/. ACM order number: 505920.

Pan:1989:SCD

[Pan89]   Victor Pan. On some computations with dense structured matrices. In Gonnet [Gon89], pages 34–42. ISBN 0-89791-325-6.

LCCN QA76.95.I59 1989. US$29.00. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p34-pan/`. ACM order number: 505890. English and French.

Pan:2000:MSP

[Pan00] Victor Y. Pan. Matrix structure, polynomial arithmetic, and erasure-resilient encoding/decoding. In Traverso [Tra00], pages 266–271. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL `http://www.acm.org/pubs/articles/proceedings/issac/345542/p266-pan/p266-pan.pdf`; `http://www.acm.org/pubs/citations/proceedings/issac/345542/p266-pan/`. ACM order number 505000.

Pan:2001:UPN

[Pan01] Victor Y. Pan. Univariate polynomials: nearly optimal algorithms for factorization and rootfinding. In Mourrain [Mou01], pages 253–267. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Parrilo:2004:SSP

[Par04] Pablo A. Parrilo. Sums of squares of polynomials and their applications. In Gutierrez [Gut04], page 1. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Parrilo:2013:CAG

[Par13] Pablo A. Parrilo. Convex algebraic geometry and semidefinite optimization. In Monagan et al. [MCG13], pages 9–10. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Paschel:2009:ASH

[Päs09] Markus Päschel. Automatic synthesis of high performance mathematical programs. In May [May09], pages 5–6. ISBN 1-60558-609-9. LCCN ????

Padget:1990:UPS

[PB90] J. Padget and A. Barnes. Univariate power series expansions in Reduce. In Watanabe and Nagata [WN90], pages 82–87. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p82-padget/`.

Pak:1999:SGS

[PB99] Igor Pak and Sergey Bratus. On sampling generating sets of finite groups and product replacement algorithm: extended ab-

stract. In Dooley [Doo99], pages 91–96. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL http://www.acm.org/pubs/contents/proceedings/issac/309831/.

Perez-Diaz:2005:PDF

[PDS05] Sonia Pérez-Díaz and J. Rafael Sendra. Partial degree formulae for rational algebraic surfaces. In Kauers [Kau05], pages 301–308. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Pecelli:1991:FMD

[Pec91] Giampiero Pecelli. Formal methods in delay-differential equations. In Watt [Wat91], pages 317–318. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p317-pecelli/.

Petho:1991:AGB

[Pet91] Attila Pethö. Application of Gröbner bases to the resolution of systems of norm equations. In Watt [Wat91], pages 144–150. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p144-petho/.

Petitjean:1994:ACS

[Pet94] Sylvain Petitjean. Automating the construction of stationary multiple-point classes. In ACM [ACM94], pages 9–14. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p9-petitjean/.

Pflugel:1997:ACE

[Pfl97] Eckhard Pflügel. An algorithm for computing exponential solutions of first order linear differential systems. In Küchlin [Küc97], pages 164–171. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p164-pflugel/.

Pfluegel:2008:RDL

[Pfl08] Eckhard Pflüegel. A rational decomposition-lemma for systems of linear differential-algebraic equations. In Jeffrey [Jef08], pages 231–238. ISBN 1-59593-904-0. LCCN ????

Pontelli:1997:PSC

[PG97]   E. Pontelli and G. Gupta. Parallel symbolic computation in ACE. In Baral et al. [BKLG97], pages 359–396. ISSN 1012-2443.

Pan:2013:TFA

[PHW13]   Senshan Pan, Yupu Hu, and Baocang Wang. The termination of the $F5$ algorithm revisited. In Monagan et al. [MCG13], pages 291–298. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Pillwein:2013:TCP

[Pil13]   Veronika Pillwein. Termination conditions for positivity proving procedures. In Monagan et al. [MCG13], pages 315–322. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Peternell:2008:GSS

[PO08]   Martin Peternell and Boris Odehnal. On generalized ln-surfaces in 4-space. In Jeffrey [Jef08], pages 223–230. ISBN 1-59593-904-0. LCCN ????

Poloskov:1998:CPP

[Pol98]   Igor E. Poloskov. Compound program packages and a nonlinear random fluctuations analysis. In Gloor [Glo98], pages 70–75. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL http://www.acm.org/pubs/citations/proceedings/issac/281508/p70-poloskov/.

Porter:1989:DRA

[Por89]   S. C. Porter. Dense representation of affine coordinate rings of curves with one point at infinity. In Gonnet [Gon89], pages 287–297. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p287-porter/. ACM order number: 505890. English and French.

Pospelov:2011:FFT

[Pos11]   Alexey Pospelov. Fast Fourier Transforms over poor fields. In Schost and Emiris [SE11], pages 289–296. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Pottier:1996:EAD

[Pot96]   Loïc Pottier. The Euclidean algorithm in dimension n. In Lakshman Y. N. [Lak96], pages 40–42. ISBN 0-89791-796-0. LCCN

QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p40-pottier/`.

Poulisse:2006:CCA

[Pou06] Hennie Poulisse. Computational communicative algebra. In Trager [Tra06], pages 3–4. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Pan:2011:RPM

[PQZ11] Victor Y. Pan, Guoliang Qian, and Ai-Long Zheng. Randomized preconditioning of the MBA algorithm. In Schost and Emiris [SE11], pages 281–288. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Powers:2006:QPT

[PR06] Victoria Powers and Bruce Reznick. A quantitative Pólya's Theorem with corner zeros. In Trager [Tra06], pages 285–289. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Poteaux:2008:GRP

[PR08] Adrien Poteaux and Marc Rybowicz. Good reduction of Puiseux series and complexity of the Newton–Puiseux algorithm over finite fields. In Jeffrey [Jef08], pages 239–246. ISBN 1-59593-904-0. LCCN ????

Petkovsek:1993:FAH

[PS93a] M. Petkovsek and B. Salvy. Finding all hypergeometric solutions of linear differential equations. In Bronstein [Bro93], pages 27–33. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. ACM order number: 505930.

Petkovsek:1993:FAHb

[PS93b] Marko Petkovšek and Bruno Salvy. Finding all hypergeometric solutions of linear differential equations. In Bronstein [Bro93], pages 27–33. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p27-petkovscaronek/`. ACM order number: 505930.

Pascal:2006:COB

[PS06] Cyril Pascal and Éric Schost. Change of order for bivariate triangular sets. In Trager [Tra06], pages 277–284. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Pernet:2007:FAC

[PS07]   Clément Pernet and Arne Storjohann. Faster algorithms for the characteristic polynomial. In Brown [Bro07], pages 307–314. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Pauderis:2012:DUC

[PS12]   Colton Pauderis and Arne Storjohann. Deterministic unimodularity certification. In van der Hoeven and van Hoeij [vdHvH12], pages 281–288. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Pauderis:2013:CIS

[PS13]   Colton Pauderis and Arne Storjohann. Computing the invariant structure of integer matrices: fast algorithms into practice. In Monagan et al. [MCG13], pages 307–314. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Pan:2013:BCR

[PT13]   Victor Y. Pan and Elias P. Tsigaridas. On the boolean complexity of real root refinement. In Monagan et al. [MCG13], pages 299–306. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Popova:1998:SSN

[PU98]   E. D. Popova and C. P. Ullrich. Simplification of symbolic-numerical interval expressions. In Gloor [Glo98], pages 207–214. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL http://www.acm.org/pubs/citations/proceedings/issac/281508/p207-popova/.

Purtilo:1986:ASI

[Pur86]   J. Purtilo. Applications of a software interconnection system in mathematical problem solving environments. In Char [Cha86b], pages 16–23. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p16-purtilo/. ACM order no. 505860.

Purtilo:1989:MEO

[Pur89]   J. M. Purtilo. Minion: an environment to organize mathematical problem solving. In Gonnet [Gon89], pages 147–154. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989.

US$29.00. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p147-purtilo/`. ACM order number: 505890. English and French.

Pericleous:2001:NCB

[PV01] Savvas Pericleous and Nicolai Vorobjov. New complexity bounds for cylindrical decompositions of sub-Pfaffian sets. In Mourrain [Mou01], pages 268–275. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Pan:2002:AEA

[PW02] Victor Y. Pan and Xinmao Wang. Acceleration of Euclidean algorithm and extensions. In Mora [Mor02], pages 207–213. ISBN 1-58113-484-3. LCCN QA76.95. URL `http://www.lifl.fr/ISSAC2002/`.

Pan:2006:UGA

[PW06] Wei Pan and Dongming Wang. Uniform Gröbner bases for ideals generated by polynomials with parametric exponents. In Trager [Tra06], pages 269–276. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Pan:2010:RCP

[PZ10] Victor Y. Pan and Ai-Long Zheng. Real and complex polynomial root-finding with eigen-solving and preprocessing. In Watt [Wat10], pages 219–226. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Quere:1995:ARL

[QV95] M. P. Quéré and G. Villard. An algorithm for the reduction of linear DAE. In Levelt [Lev95], pages 223–231. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p223-quere/`. ACM order number: 505950.

Raab:2013:IUF

[Raa13] Clemens G. Raab. Integration of unspecified functions and families of iterated integrals. In Monagan et al. [MCG13], pages 323–330. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Rabinowitz:1989:CSS

[Rab89] S. Rabinowitz. On the computer solution of symmetric homogeneous triangle inequalities. In Gonnet [Gon89], pages

272–286. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p272-rabinowitz/`. ACM order number: 505890. English and French.

Rakoczi:1995:FRN

[Rák95] Ferenc Rákóczi. Fast recognition of the nilpotency of permutation groups. In Levelt [Lev95], pages 265–269. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p265-rakoczi/`. ACM order number: 505950.

Reid:1991:RSD

[RB91] G. J. Reid and A. Boulton. Reduction of systems of differential equations to standard form and their integration using directed graphs. In Watt [Wat91], pages 308–312. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p308-reid/`.

Roux:2006:RRC

[RB06] Nicolas Le Roux and Moulay Barkatou. Rank reduction of a class of Pfaffian systems in two variables. In Trager [Tra06], pages 204–211. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Robinson:2006:PAD

[RC06] Eric Robinson and Gene Cooperman. A parallel architecture for disk-based computing over the Baby Monster and other large finite simple groups. In Trager [Tra06], pages 298–305. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Rodriguez-Carbonell:2004:AGP

[RCK04] Enric Rodríguez-Carbonell and Deepak Kapur. Automatic generation of polynomial loop invariants: Algebraic foundations. In Gutierrez [Gut04], pages 266–273. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Roque:1991:QRD

[Rd91] W. L. Roque and R. P. dos Santos. Qualitative reasoning, dimensional analysis and computer algebra. In Watt [Wat91], pages 460–461. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p460-roque/`.

Rondepierre:2005:ASN

[RD05]   Aude Rondepierre and Jean-Guillaume Dumas. Algorithms for symbolic/numeric control of affine dynamical systems. In Kauers [Kau05], pages 277–284. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Reischert:1997:AFC

[Rei97]   Daniel Reischert. Asymptotically fast computation of subresultants. In Küchlin [Küc97], pages 233–240. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p233-reischert/.

Reinert:2000:SSL

[Rei00]   Birgit Reinert. Solving systems of linear one-sided equations in integer monoid and group rings. In Traverso [Tra00], pages 281–287. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL http://www.acm.org/pubs/articles/proceedings/issac/345542/p281-reinert/p281-reinert.pdf; http://www.acm.org/pubs/citations/proceedings/issac/345542/p281-reinert/. ACM order number 505000.

Renner:1991:NEE

[Ren91]   Friedrich Renner. Nonlinear evolution equations and the Painleve analysis: a constructive approach with REDUCE. In Watt [Wat91], pages 289–294. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p289-renner/.

Renault:2006:CSF

[Ren06]   Guénaël Renault. Computation of the splitting field of a dihedral polynomial. In Trager [Tra06], pages 290–297. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Romero:2009:IBC

[RER09]   Ana Romero, Graham Ellis, and Julio Rubio. Interoperating between computer algebra systems: computing homology of groups with kenzo and GAP. In May [May09], pages 303–310. ISBN 1-60558-609-9. LCCN ????

Richardson:1994:IPE

[RF94a]   Dan Richardson and John Fitch. The identity problem for elementary functions and constants. In ACM [ACM94], pages 285–290. ISBN 0-89791-638-7. LCCN

QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p285-richardson/`.

RuizS:1994:AGG

[RF94b] O. E. Ruiz S. and P. M. Ferreira. Algebraic geometry and group theory in geometric constraint satisfaction. In ACM [ACM94], pages 224–233. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994.

Roelofs:1991:IMO

[RG91] Marcel Roelofs and Peter K. H. Gragert. Implementation of multilinear operators in REDUCE and applications in mathematics. In Watt [Wat91], pages 390–396. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p390-roelofs/`.

Recio:1994:SIG

[RGL94] T. Recio and M. J. González-López. On the symbolic insimplification of the general $6R$-manipulator kinematic equations. In ACM [ACM94], pages 354–358. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p354-recio/`.

Rosales:2000:HCI

[RGSGG00] José Carlos Rosales, Pedro A. García-Sánchez, and Juan Ignacio García-García. How to check if a finitely generated commutative monoid is a principal ideal commutative monoid. In Traverso [Tra00], pages 288–291. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL `http://www.acm.org/pubs/articles/proceedings/issac/345542/p288-rosales/p288-rosales.pdf`; `http://www.acm.org/pubs/citations/proceedings/issac/345542/p288-rosales/`. ACM order number 505000.

Richardson:1991:TCN

[Ric91] Daniel Richardson. Towards computing nonalgebraic cylindrical decompositions. In Watt [Wat91], pages 247–255. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p247-richardson/`.

Richardson:1992:ECP

[Ric92] Daniel Richardson. The elementary constant problem. In Wang [Wan92b], pages 108–116. ISBN 0-89791-489-9 (soft cover), 0-

89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/143242/`▮ `p108-richardson/`. ACM order number: 505920.

Richardson:1993:ZST

[Ric93]   Daniel Richardson. A zero structure theorem for exponential polynomials. In Bronstein [Bro93], pages 144–151. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p144-richardson/`. ACM order number: 505930.

Richardson:1995:SMR

[Ric95]   Daniel Richardson. A simplified method of recognizing zero among elementary constants. In Levelt [Lev95], pages 104–109. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/220346/`▮ `p104-richardson/`. ACM order number: 505950.

Richardson:1996:SES

[Ric96]   Daniel Richardson. Solution of elementary systems of equations in a box in R^n. In Lakshman Y. N. [Lak96], pages 120–126. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p120-richardson/`.

Rioboo:1992:RAC

[Rio92]   Renaud Rioboo. Real algebraic closure of an ordered field: implementation in Axiom. In Wang [Wan92b], pages 206–215. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p206-rioboo/`. ACM order number: 505920.

Rioboo:2002:TFR

[Rio02]   Renaud Rioboo. Towards faster real algebraic numbers. In Mora [Mor02], pages 221–228. ISBN 1-58113-484-3. LCCN QA76.95. URL `http://www.lifl.fr/ISSAC2002/`.

Ravenscroft:1989:SSG

[RL89]   R. A. Ravenscroft, Jr. and E. A. Lamagna. Symbolic summation with generating functions. In Gonnet [Gon89], pages 228–233. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. ACM order number: 505890. English and French.

Richardson:2002:SOF

[RL02]   Daniel Richardson and Simon Langley. Some observations on familiar numbers. In Mora [Mor02], pages 214–220. ISBN 1-58113-484-3. LCCN QA76.95. URL http://www.lifl.fr/ISSAC2002/.

Rudenko:1991:ACA

[RLBS91]   V. M. Rudenko, V. V. Leonov, A. F. Bragazin, and I. P. Shmyglevsky. Application of computer algebra to the investigation of the orbital satellite motion. In Watt [Wat91], pages 450–451. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p450-rudenko/.

Reid:1992:ADC

[RLBW92]   G. J. Reid, I. G. Lisle, A. Boulton, and A. D. Wittkopf. Algorithmic determination of commutation relations for Lie symmetry algebras of PDEs. In Wang [Wan92b], pages 63–68. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p63-reid/. ACM order number: 505920.

Renbao:1986:CAS

[RLZ86]   Z. Renbao, X. Ling, and R. Zhaoyang. The computer algebra system CAS1 for the IBM-PC. In Char [Cha86b], pages 176–178. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p176-renbao/. ACM order no. 505860.

Robinson:2007:DBP

[RMC07]   Eric Robinson, Jürgen Müller, and Gene Cooperman. A disk-based parallel implementation for direct condensation of large permutation modules. In Brown [Bro07], pages 315–322. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Reinert:1998:NNR

[RMM98]   Birgit Reinert, Klaus Madlener, and Teo Mora. A note on Nielsen reduction and coset enumeration. In Gloor [Glo98], pages 171–178. ISBN 1-58113-002-3. LCCN QA155.7.E4

E88 1998. URL `http://www.acm.org/pubs/citations/proceedings/issac/281508/p171-reinert/`.

Roach:1994:SNE

[Roa94] Kelly Roach. Symbolic-numeric nonlinear equation solving. In ACM [ACM94], pages 278–284. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p278-roach/`.

Roach:1996:HFR

[Roa96] Kelly Roach. Hypergeometric function representations. In Lakshman Y. N. [Lak96], pages 301–308. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p301-roach/`.

Roach:1997:MGF

[Roa97] Kelly Roach. Meijer G functions representations. In Küchlin [Küc97], pages 205–211. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p205-roach/`.

Roche:2009:STE

[Roc09] Daniel S. Roche. Space- and time-efficient polynomial multiplication. In May [May09], pages 295–302. ISBN 1-60558-609-9. LCCN ????

Rolletschek:1989:SDC

[Rol89] H. Rolletschek. Shortest division chains in imaginary quadratic number fields. In Gianni [Gia89], pages 231–243. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Roune:2010:SAC

[Rou10] Bjarke Hammersholt Roune. A Slice algorithm for corners and Hilbert–Poincaré series of monomial ideals. In Watt [Wat10], pages 115–122. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Roy:2012:CDC

[Roy12] Marie-Françoise Roy. Complexity of deciding connectivity in real algebraic sets: recent results and future research directions. In van der Hoeven and van Hoeij [vdHvH12], pages 3–5. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Rust:1997:RPD

[RR97] C. J. Rust and G. J. Reid. Rankings of partial derivatives. In Küchlin [Küc97], pages 9–16. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p9-rust/`.

Rosenkranz:2008:IDP

[RR08] Markus Rosenkranz and Georg Regensburger. Integro-differential polynomials and operators. In Jeffrey [Jef08], pages 261–268. ISBN 1-59593-904-0. LCCN ????

Regensburger:2009:SPA

[RRM09] Georg Regensburger, Markus Rosenkranz, and Johannes Middeke. A skew polynomial approach to integro-differential operators. In May [May09], pages 287–294. ISBN 1-60558-609-9. LCCN ????

Rust:1999:EUT

[RRW99] C. J. Rust, G. J. Reid, and A. D. Wittkopf. Existence and uniqueness theorems for formal power series solutions of analytic differential systems. In Dooley [Doo99], pages 105–112. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL `http://www.acm.org/pubs/contents/proceedings/issac/309831/`.

Reinhart:1996:DHD

[RS96] Georg M. Reinhart and William Sit. Differentially homogeneous differential polynomials. In Lakshman Y. N. [Lak96], pages 212–218. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p212-reinhart/`.

Romero:2012:PBT

[RS12a] Ana Romero and Francis Sergeraert. Programming before theorizing, a case study. In van der Hoeven and van Hoeij [vdHvH12], pages 289–296. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Roune:2012:PGB

[RS12b] Bjarke Hammersholt Roune and Michael Stillman. Practical Gröbner basis computation. In van der Hoeven and van Hoeij [vdHvH12], pages 203–210. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Roch:1989:CAM

[RSSRV89]   J.-L. Roch, P. Senechaud, F. Siebert-Roch, and G. Villard. Computer algebra on MIMD machine. In Gianni [Gia89], pages 423–439. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Richardson:1996:AEE

[RSSV96]   Daniel Richardson, Bruno Salvy, John Shackell, and Joris Van der Hoeven. Asymptotic expansions of exp–log functions. In Lakshman Y. N. [Lak96], pages 309–313. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p309-richardson/`.

RochSiebert:1991:PFE

[RSV91a]   F. Roch-Siebert and G. Villard. PAC: first experiments on a 128 transputers meganode. In Watt [Wat91], pages 343–351. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991.

Roch-Siebert:1991:PFE

[RSV91b]   Françoise Roch-Siebert and Gilles Villard. PAC: first experiments on a 128 transputers méganode. In Watt [Wat91], pages 343–351. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p343-roch-siebert/`.

Recio:2004:HU

[RSV04]   Tomas Recio, J. Rafael Sendra, and Carlos Villarino. From hypercircles to units. In Gutierrez [Gut04], pages 258–265. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Rubio:2006:NIN

[RSV06]   Rosario Rubio, J. Miguel Serradilla, and M. Pilar Vélez. A note on implicitization and normal parametrization of rational curves. In Trager [Tra06], pages 306–309. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Reid:2003:CSN

[RTZ03]   Greg Reid, Jianliang Tang, and Lihong Zhi. A complete symbolic-numeric linear method for camera pose determination. In Senda [Sen03], pages 215–223. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Ruatta:2001:MWI

[Rua01]   Olivier Ruatta. A multivariate Weierstrass iterative rootfinder. In Mourrain [Mou01], pages 276–283. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Ruffo:2007:SLD

[Ruf07]   James Ruffo. A straightening law for the Drinfel'd Lagrangian Grassmannian. In Brown [Bro07], pages 323–330. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Rump:2010:VMR

[Rum10]   Siegfried M. Rump. Verification methods: rigorous results using floating-point arithmetic. In Watt [Wat10], pages 3–4. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Rupp:2010:SIC

[Rup10]   Karl Rupp. Symbolic integration at compile time in finite element methods. In Watt [Wat10], pages 347–354. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Russo:1992:CSA

[Rus92]   Mark F. Russo. A combined symbolic/numeric approach for the integration of stiff nonlinear systems of ODE's. In Wang [Wan92b], pages 80–88. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/143242/` `p80-russo/`. ACM order number: 505920.

Roy:1993:AGA

[RV93]   Marie-Françoise Roy and T. Van Effelterre. Aspect graphs of algebraic surfaces. In Bronstein [Bro93], pages 135–143. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p135-roy/`. ACM order number: 505930.

Roy:1996:CCS

[RV96]   Marie-Françoise Roy and Nicolai Vorobjov. Computing the complexification of a semi-algebraic set. In Lakshman Y. N. [Lak96], pages 26–34. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p26-roy/`.

Reid:2005:SNC

[RVWW05] Greg Reid, Jan Verschelde, Allan Wittkopf, and Wenyuan Wu. Symbolic-numeric completion of differential systems by homotopy continuation. In Kauers [Kau05], pages 269–276. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Rayes:1994:PGS

[RW94] Mohamed Omar Rayes and P. S. Wang. Parallel GCD for sparse multivariate polynomials on shared memory multiprocessors. In Hong [Hon94], pages 326–335. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Reid:2000:DMS

[RW00] Gregory J. Reid and Allan D. Wittkopf. Determination of maximal symmetry groups of classes of differential equations. In Traverso [Tra00], pages 272–280. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL `http://www.acm.org/pubs/articles/proceedings/issac/345542/p272-reid/p272-reid.pdf`; `http://www.acm.org/pubs/citations/proceedings/issac/345542/p272-reid/`. ACM order number 505000.

Rayes:1994:PSM

[RWW94] Mohamed Omar Rayes, Paul S. Wang, and Kenneth Weber. Parallelization of the sparse modular GCD algorithm for multivariate polynomials on shared memory multiprocessors. In ACM [ACM94], pages 66–73. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p66-rayes/`.

Renault:2008:MMA

[RY08] Guénaël Renault and Kazuhiro Yokoyama. Multi-modular algorithm for computing the splitting field of a polynomial. In Jeffrey [Jef08], pages 247–254. ISBN 1-59593-904-0. LCCN ????

Rybowicz:1991:ACI

[Ryb91] Marc Rybowicz. An algorithm for computing integral bases of an algebraic function field. In Watt [Wat91], pages 157–166. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p157-rybowicz/`.

Sagraloff:2012:WNM

[Sag12] Michael Sagraloff. When Newton meets Descartes: a simple and fast algorithm to isolate the real roots of a polynomial. In van der Hoeven and van Hoeij [vdHvH12], pages 297–304. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Salvy:2005:FAA

[Sal05] Bruno Salvy. *D*-finiteness: algorithms and applications. In Kauers [Kau05], pages 2–3. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Santas:1993:TSC

[San93] Phillip S. Santas. A type system for computer algebra (abstract). In Bronstein [Bro93], page 77. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p77-santas/. ACM order number: 505930.

Santos:2004:TPA

[San04] Francisco Santos. Triangulations of polytopes and algebraic geometry. In Gutierrez [Gut04], page 2. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Sasaki:1986:SAE

[Sas86] Tateaki Sasaki. Simplification of algebraic expression by multiterm rewriting rules. In Char [Cha86b], pages 115–120. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p115-sasaki/. ACM order no. 505860.

Sasaki:2001:AMP

[Sas01] Tateaki Sasaki. Approximate multivariate polynomial factorization based on zero-sum relations. In Mourrain [Mou01], pages 284–291. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Sasaki:2003:SCC

[Sas03] Tateaki Sasaki. The subresultant and clusters of close roots. In Senda [Sen03], pages 232–239. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Sato:1998:NTC

[Sat98]   Yosuke Sato.   A new type of canonical Gröbner bases in polynomial rings over Von Neumann regular rings.   In Gloor [Glo98], pages 317–321. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998.   URL `http://www.acm.org/pubs/citations/proceedings/issac/281508/p317-sato/`.

Saunders:2001:BBM

[Sau01]   B. D. Saunders. Black box methods for least squares problems. In Mourrain [Mou01], pages 297–302. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Sodan:1994:SAP

[SB94]   A. Sodan and H. Bi. A semi-automatic approach for parallelizing symbolic processing programs. In Hong [Hon94], pages 363–372. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Shi:2010:CSR

[SC10]   Xiaoran Shi and Falai Chen. Computing the singularities of rational space curves. In Watt [Wat10], pages 171–178. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

LaScala:1994:AC

[Sca94a]   R. La Scala. An algorithm for complexes. In ACM [ACM94], pages 264–268. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994.

Scala:1994:AC

[Sca94b]   Roberto La Scala. An algorithm for complexes. In ACM [ACM94], pages 264–268.   ISBN 0-89791-638-7.   LCCN QA76.95.I59 1994.   URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p264-la_scala/`.

Schwarz:1989:FAL

[Sch89]   F. Schwarz.   A factorization algorithm for linear ordinary differential equations.   In Gonnet [Gon89], pages 17–25.   ISBN 0-89791-325-6.   LCCN QA76.95.I59 1989. US$29.00.   URL `http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p17-schwarz/`. ACM order number: 505890. English and French.

Schlegel:1991:DRS

[Sch91a]   H. Schlegel. Determination of the root system of semisimple Lie algebras from the Dynkin diagram. In Watt [Wat91],

pages 239–240. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p239-schlegel/`.

Schmitt:1991:EAA

[Sch91b] Joacheim Schmitt. An embedding algorithm for algebraic congruence function fields. In Watt [Wat91], pages 187–188. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p187-schmitt/`.

Schonhage:1991:FRC

[Sch91c] Arnold Schönhage. Fast reduction and composition of binary quadratic forms. In Watt [Wat91], pages 128–133. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p128-schonhage/`.

Schwarz:1991:ETP

[Sch91d] Fritz Schwarz. Existence theorems for polynomial first integrals. In Watt [Wat91], pages 256–264. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p256-schwarz/`.

Schwarz:1992:RCA

[Sch92] Fritz Schwarz. Reduction and completion algorithms for partial differential equations. In Wang [Wan92b], pages 49–56. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p49-schwarz/`. ACM order number: 505920.

Schreiner:1994:PPI

[Sch94] W. Schreiner. A para-functional programming interface for a parallel computer algebra package. In Hong [Hon94], pages 346–355. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Schwartz:1995:SOO

[Sch95a] F. Schwartz. Symmetries of 2nd and 3rd order ODEs. In Levelt [Lev95], pages 16–25. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. ACM order number: 505950.

Schwarz:1995:SSS

[Sch95b]   Fritz Schwarz. Symmetries of 2nd and 3rd order ODE's. In Levelt [Lev95], pages 16–25. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p16-schwarz/`. ACM order number: 505950.

Schwarz:1996:JBO

[Sch96]   Fritz Schwarz. Janet bases of 2nd order ordinary differential equations. In Lakshman Y. N. [Lak96], pages 179–188. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p179-schwarz/`.

Schicho:1998:RPR

[Sch98]   Josef Schicho. Rational parametrization of real algebraic surfaces. In Gloor [Glo98], pages 302–308. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL `http://www.acm.org/pubs/citations/proceedings/issac/281508/p302-schicho/`.

Schicho:2000:PPS

[Sch00]   Josef Schicho. Proper parametrization of surfaces with a rational pencil. In Traverso [Tra00], pages 292–300. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL `http://www.acm.org/pubs/articles/proceedings/issac/345542/p292-schicho/p292-schicho.pdf`; `http://www.acm.org/pubs/citations/proceedings/issac/345542/p292-schicho/`. ACM order number 505000.

Schicho:2002:SSP

[Sch02a]   Josef Schicho. Simplification of surface parametrizations. In Mora [Mor02], pages 229–237. ISBN 1-58113-484-3. LCCN QA76.95. URL `http://www.lifl.fr/ISSAC2002/`.

Schost:2002:DBL

[Sch02b]   Éric Schost. Degree bounds and lifting techniques for triangular sets. In Mora [Mor02], pages 238–245. ISBN 1-58113-484-3. LCCN QA76.95. URL `http://www.lifl.fr/ISSAC2002/`.

Schneider:2004:SSS

[Sch04]   Carsten Schneider. Symbolic summation with single-nested sum
               extensions. In Gutierrez [Gut04], pages 282–289. ISBN 1-58113-
               827-X. LCCN QA76.95 .I57 2004.

Schneider:2005:FTM

[Sch05a]   Carsten Schneider. Finding telescopers with minimal depth
               for indefinite nested sum and product expressions. In Kauers
               [Kau05], pages 285–292. ISBN 1-59593-095-7. LCCN ???? ACM
               Order Number 505050.

Schost:2005:MPS

[Sch05b]   Éric Schost. Multivariate power series multiplication. In Kauers
               [Kau05], pages 293–300. ISBN 1-59593-095-7. LCCN ???? ACM
               Order Number 505050.

Schwarz:2007:LDL

[Sch07]   F. Schwarz. Loewy decomposition of linear differential equa-
               tions. In Brown [Bro07], pages 389–390. ISBN 1-59593-743-9
               (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007.
               ACM order number 505070.

Schweighofer:2009:DCS

[Sch09]   Markus Schweighofer. Describing convex semialgebraic sets by
               linear matrix inequalities. In May [May09], pages 385–386.
               ISBN 1-60558-609-9. LCCN ????

Scheiblechner:2012:ERC

[Sch12]   Peter Scheiblechner. Effective de Rham cohomology: the hy-
               persurface case. In van der Hoeven and van Hoeij [vdHvH12],
               pages 305–310. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Shavlik:1986:CUG

[SD86]   Jude W. Shavlik and Gerald F. DeJong. Computer understand-
               ing and generalization of symbolic mathematical calculations: a
               case study in physics problem solving. In Char [Cha86b], pages
               148–153. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4
               A281 1986. URL http://www.acm.org:80/pubs/citations/
               proceedings/issac/32439/p148-shavlik/. ACM order no.
               505860.

Smith:2007:ADA

[SDJ07]   Jacob Smith, Gabriel Dos Reis, and Jaakko Järvi. Algorith-
               mic differentiation in Axiom. In Brown [Bro07], pages 347–354.

ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Slavici:2010:FML

[SDKC10]   Vlad Slavici, Xin Dong, Daniel Kunkle, and Gene Cooperman. Fast multiplication of large permutations for disk, flash memory and RAM. In Watt [Wat10], pages 355–362. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Schost:2011:IPI

[SE11]   Éric Schost and Ioannis Z. Emiris, editors. *ISSAC 2011: Proceedings of the 2011 International Symposium on Symbolic and Algebraic Computation, June 7–11, 2011, San Jose, CA, USA.* ACM Press, New York, NY 10036, USA, 2011. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Sedjelmaci:2001:PLE

[Sed01a]   Sidi Mohammed Sedjelmaci. On a parallel Lehmer–Euclid GCD algorithm. In Mourrain [Mou01], pages 303–308. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Sedoglavic:2001:PAT

[Sed01b]   Alexandre Sedoglavic. A probabilistic algorithm to test local algebraic observability in polynomial time. In Mourrain [Mou01], pages 309–317. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Sekigawa:2007:RFR

[Sek07]   Hiroshi Sekigawa. On real factors of real interval polynomials. In Brown [Bro07], pages 331–338. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Sekigawa:2008:NPZ

[Sek08]   Hiroshi Sekigawa. The nearest polynomial with a zero in a given domain from a geometrical viewpoint. In Jeffrey [Jef08], pages 287–294. ISBN 1-59593-904-0. LCCN ????

Senda:2003:IPI

[Sen03]   J. Rafael Senda, editor. *ISSAC 2003: Proceedings of the 2003 International Symposium on Symbolic and Algebraic Computation, August 3–6, 2003, Drexel University, Philadelphia, PA, USA.* ACM Press, New York, NY 10036, USA, 2003. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Sergeraert:1989:NRN

[Ser89]   F. Sergeraert. From a noncomputability result to new interesting definitions and computability results. In Gianni [Gia89], pages 26–32. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Seress:2012:CCR

[Ser12]   Ákos Seress. Construction of 2-closed M-representations. In van der Hoeven and van Hoeij [vdHvH12], pages 311–318. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Seymour:1986:CCM

[Sey86]   Harlan R. Seymour. Conform: a conformal mapping system. In Char [Cha86b], pages 163–168. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL http://www.acm. org:80/pubs/citations/proceedings/issac/32439/p163- seymour/. ACM order no. 505860.

Scott:1990:SAM

[SF90]   T. C. Scott and G. J. Fee. Some applications of Maple symbolic computation to scientific and engineering problems. In Watanabe and Nagata [WN90], pages 302–303. ISBN 0-89791-401- 5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL http://www.acm.org:80/pubs/citations/ proceedings/issac/96877/p302-scott/.

S:1994:AGG

[SF94]   Oscar E. Ruiz S. and Placid M. Ferreira. Algebraic geometry and group theory in geometric constraint satisfaction. In ACM [ACM94], pages 224–233. ISBN 0-89791-638- 7. LCCN QA76.95.I59 1994. URL http://www.acm.org:80/ pubs/citations/proceedings/issac/190347/p224-ruiz_s. /.

Salem:2004:FPP

[SGL04]   Fatima Abu Salem, Shuhong Gao, and Alan G. B. Lauder. Factoring polynomials via polytopes. In Gutierrez [Gut04], pages 4–11. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Shackell:1989:AEO

[Sha89a]   J. Shackell. Asymptotic estimation of oscillating functions using an interval calculus. In Gianni [Gia89], pages 481–489. ISBN

3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Shackell:1989:DAF

[Sha89b] J. Shackell. A differential-equations approach to functional equivalence. In Gonnet [Gon89], pages 7–10. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. ACM order number: 505890. English and French.

Shackle:1989:DAF

[Sha89c] J. Shackle. A differential-equations approach to functional equivalence. In Gonnet [Gon89], pages 7–10. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p7-shackle/. ACM order number: 505890. English and French.

Shackell:1993:NEH

[Sha93] John Shackell. Nested expansions and Hardy fields. In Bronstein [Bro93], pages 234–238. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p234-shackell/. ACM order number: 505930.

Shackell:1999:SPR

[Sha99] John Shackell. Star products and the representation of asymptotic growth. In Dooley [Doo99], pages 97–104. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL http://www.acm.org/pubs/contents/proceedings/issac/309831/.

Shaska:2003:DAG

[Sha03] Tanush Shaska. Determining the automorphism group of a hyperelliptic curve. In Senda [Sen03], pages 248–254. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Sharma:2007:CRR

[Sha07] Vikram Sharma. Complexity of real root isolation using continued fractions. In Brown [Bro07], pages 339–346. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Shirayanagi:1990:IPF

[Shi90] K. Shirayanagi. On the isomorphism problem for finite-dimensional binomial algebras. In Watanabe and Nagata

[WN90], pages 106–111. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/` 96877/p106-shirayanagi/.

Shoup:1991:FDA

[Sho91] Victor Shoup. A fast deterministic algorithm for factoring polynomials over finite fields of small characteristic. In Watt [Wat91], pages 14–21. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p14-shoup/`.

Shoup:1999:ECM

[Sho99] Victor Shoup. Efficient computation of minimal polynomials in algebraic extensions of finite fields. In Dooley [Doo99], pages 53–58. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL `http://www.acm.org/pubs/contents/proceedings/issac/309831/`.

Siegl:1993:PAS

[Sie93] K. Siegl. Parallelizing algorithms for symbolic computation using ‖Maple‖. In ACM [ACM93], pages 179–186. ISBN 0-89791-589-5. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic). LCCN QA76.642.A27 1993.

Siegl:1994:PFT

[Sie94] K. Siegl. A parallel factorization tree Gröbner basis algorithm. In Hong [Hon94], pages 356–362. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Sims:1997:CSA

[Sim97] Charles C. Sims. Computing with subgroups of automorphism groups of finite groups. In Küchlin [Küc97], pages 400–403. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p400-sims/`.

Sims:1998:FMG

[Sim98] Charles C. Sims. Fast multiplication and growth in groups. In Gloor [Glo98], pages 165–170. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL `http://www.acm.org/pubs/citations/proceedings/issac/281508/p165-sims/`.

Singer:1989:LFI

[Sin89]   M. F. Singer. Liouvillian first integrals of differential equations. In Gianni [Gia89], pages 57–63. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Sincovec:1993:PSS

[Sin93]   Richard F. Sincovec, editor. *Proceedings of the Sixth SIAM Conference on Parallel Processing for Scientific Computing, Norfolk, VA, March, 1993*. SIAM Press, Philadelphia, PA, USA, 1993. ISBN 0-89871-315-3. LCCN QA76.58.S55 1993. Two volumes.

Sit:1991:TPL

[Sit91]   William Y. Sit. A theory for parametric linear systems. In Watt [Wat91], pages 112–121. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p112-sit/`.

Slavici:2012:EPM

[SKCL12]   Vlad Slavici, Daniel Kunkle, Gene Cooperman, and Stephen Linton. An efficient programming model for memory-intensive recursive algorithms using parallel disks. In van der Hoeven and van Hoeij [vdHvH12], pages 327–334. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Sendra:1993:EAH

[SL93]   Juan R. Sendra and Juan Llovet. Efficient algorithms for Hankel matrices over $Z(x_1, \ldots, x_r)$. In Bronstein [Bro93], pages 201–208. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p201-sendra/`. ACM order number: 505930.

Storjohann:1995:PRP

[SL95]   Arne Storjohann and George Labahn. Preconditioning of rectangular polynomial matrices for efficient Hermite Normal Form computation. In Levelt [Lev95], pages 119–125. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p119-storjohann/`. ACM order number: 505950.

Storjohann:1996:AFC

[SL96]   Arne Storjohann and George Labahn. Asymptotically fast computation of the Hermite Normal Forms of integer matrices. In Lakshman Y. N. [Lak96], pages 259–266. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p259-storjohann/`.

Saunders:1989:PIC

[SLA89]   B. D. Saunders, H. R. Lee, and S. K. Abdali. A parallel implementation of the cylindrical algebraic decomposition algorithm. In Gonnet [Gon89], pages 298–307. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p298-saunders/`. ACM order number: 505890. English and French.

Shemyakova:2008:MFL

[SM08]   Ekaterina Shemyakova and Elizabeth L. Mansfield. Moving frames for Laplace invariants. In Jeffrey [Jef08], pages 295–302. ISBN 1-59593-904-0. LCCN ????

Smedley:1989:NMA

[Sme89]   T. J. Smedley. A new modular algorithm for computation of algebraic number polynomial gcds. In Gonnet [Gon89], pages 91–94. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p91-smedley/`. ACM order number: 505890. English and French.

Smedley:1990:DAD

[Sme90]   T. J. Smedley. Detecting algebraic dependencies between unnested radicals (abstract). In Watanabe and Nagata [WN90], pages 292–293. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p292-smedley/`.

Soiffer:1995:MTM

[Soi95]   Neil Soiffer. Mathematical typesetting in Mathematica. In Levelt [Lev95], pages 140–149. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p140-soiffer/`. ACM order number: 505950.

Sommeling:1994:CCI

[Som94]   Ron Sommeling. Characteristic classes for irregular singularities. In ACM [ACM94], pages 163–168. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p163-sommeling/`.

Sorenson:1995:ALE

[Sor95]   Jonathan Sorenson. An analysis of Lehmer's Euclidean GCD algorithm. In Levelt [Lev95], pages 254–258. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p254-sorenson/`. ACM order number: 505950.

SchulzePillot:1991:ACG

[SP91a]   R. Schulze-Pillot. An algorithm for computing genera of ternary and quaternary quadratic forms. In Watt [Wat91], pages 134–143. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991.

Schulze-Pillot:1991:ACG

[SP91b]   Rainer Schulze-Pillot. An algorithm for computing genera of ternary and quaternary quadratic forms. In Watt [Wat91], pages 134–143. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p134-schulze-pillot/`.

Siebert-Roch:1989:PAH

[SR89]   F. Siebert-Roch. Parallel algorithms for Hermite normal form of an integer matrix. In Gonnet [Gon89], pages 317–321. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p317-siebert-roch/`. ACM order number: 505890. English and French.

Saenz:1994:SMP

[SRHW94]   F. Saenz, J. J. Ruz, W. Hans, and S. Winkler. A stack-based machine for parallel execution of Babel programs. In Hong [Hon94], pages 336–345. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Smith:1986:MUI

[SS86]   C. J. Smith and N. Soiffer. MathScribe: a user interface for computer algebra systems. In Char [Cha86b], pages 7–

12. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL `http://www.acm.org:80/pubs/citations/ proceedings/issac/32439/p7-smith/`. ACM order no. 505860.

Surguladze:1991:APC

[SS91]   Levan R. Surguladze and Mark A. Samuel. Algebraic perturbative calculations in high energy physics. Methods, algorithms, computer programs and physical applications. In Watt [Wat91], pages 439–447. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/ proceedings/issac/120694/p439-surguladze/`.

Salvy:1992:AEF

[SS92]   Bruno Salvy and John Shackell. Asymptotic expansions of functional inverses. In Wang [Wan92b], pages 130–137. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL `http://www.acm.org:80/ pubs/citations/proceedings/issac/143242/p130-salvy/`. ACM order number: 505920.

Shevchenko:1993:SRP

[SS93]   Ivan I. Shevchenko and Andrej G. Sokolsky. Studies of regular precessions of a symmetric satellite by means of computer algebra. In Bronstein [Bro93], pages 65–67. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL `http://www.acm. org:80/pubs/citations/proceedings/issac/164081/p65- shevchenko/`. ACM order number: 505930.

Schonert:1994:FBI

[SS94]   Martin Schönert and Ákos Seress. Finding blocks of imprimitivity in small-base groups in nearly linear time. In ACM [ACM94], pages 154–157. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/ citations/proceedings/issac/190347/p154-schonert/`.

Semmler:1995:NUH

[SS95]   Klaus-Dieter Semmler and Mika Seppälä. Numerical uniformization of hyperelliptic curves. In Levelt [Lev95], pages 208–215. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL `http://www.acm.org:80/pubs/citations/ proceedings/issac/220346/p208-semmler/`. ACM order number: 505950.

Sato:2001:DCG

[SS01] Yosuke Sato and Akira Suzuki. Discrete comprehensive Gröbner bases. In Mourrain [Mou01], pages 292–296. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Suzuki:2002:AAC

[SS02] Akira Suzuki and Yosuke Sato. An alternative approach to comprehensive Gröbner bases. In Mora [Mor02], pages 255–261. ISBN 1-58113-484-3. LCCN QA76.95. URL `http://www.lifl.fr/ISSAC2002/`.

Seidl:2003:GPO

[SS03] Andreas Seidl and Thomas Sturm. A generic projection operator for partial cylindrical algebraic decomposition. In Senda [Sen03], pages 240–247. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Sekigawa:2006:LRM

[SS06a] Hiroshi Sekigawa and Kiyoshi Shirayanagi. Locating real multiple zeros of a real interval polynomial. In Trager [Tra06], pages 310–317. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Sexton:2006:AMS

[SS06b] Alan Sexton and Volker Sorge. Abstract matrices in symbolic computation. In Trager [Tra06], pages 318–325. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Suzuki:2006:SAC

[SS06c] Akira Suzuki and Yosuke Sato. A simple algorithm to compute comprehensive Gröbner bases using Gröbner bases. In Trager [Tra06], pages 326–331. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Sato:2009:CIR

[SS09] Yosuke Sato and Akira Suzuki. Computation of inverses in residue class rings of parametric polynomial ideals. In May [May09], pages 311–316. ISBN 1-60558-609-9. LCCN ????

Sarkar:2011:NRR

[SS11] Soumojit Sarkar and Arne Storjohann. Normalization of row reduced matrices. In Schost and Emiris [SE11], pages 297–304. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Sexton:2009:CAM

[SSW09]   Alan P. Sexton, Volker Sorge, and Stephen M. Watt. Computing with abstract matrix structures. In May [May09], pages 325–332. ISBN 1-60558-609-9. LCCN ????

Stetter:1998:SSP

[ST98]   Hans J. Stetter and Günther H. Thallinger. Singular systems of polynomials. In Gloor [Glo98], pages 9–16. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL `http://www.acm.org/pubs/citations/proceedings/issac/281508/p9-stetter/`.

Strzebonski:2011:URR

[ST11a]   Adam Strzebonski and Elias Tsigaridas. Univariate real root isolation in an extension field. In Schost and Emiris [SE11], pages 321–328. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Sturm:2011:VSU

[ST11b]   Thomas Sturm and Ashish Tiwari. Verification and synthesis using real quantifier elimination. In Schost and Emiris [SE11], pages 329–336. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Strzebonski:2012:URR

[ST12]   Adam Strzeboński and Elias P. Tsigaridas. Univariate real root isolation in multiple extension fields. In van der Hoeven and van Hoeij [vdHvH12], pages 343–350. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Stachniak:1990:RPS

[Sta90]   Z. Stachniak. Resolution proof systems with weak transformation rules. In Watanabe and Nagata [WN90], pages 38–43. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p38-stachniak/`.

Stetter:1996:AZC

[Ste96]   Hans J. Stetter. Analysis of zero clusters in multivariate polynomial systems. In Lakshman Y. N. [Lak96], pages 127–136. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p127-stetter/`.

Stetter:1997:SPS

[Ste97]   Hans J. Stetter. Stabilization of polynomial systems solving with Gröbner bases. In Küchlin [Küc97], pages 117–124. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p117-stetter/`.

Stein:2008:CWC

[Ste08]   William A. Stein. Can we create a viable free open source alternative to Magma, Maple, Mathematica and Matlab? In Jeffrey [Jef08], pages 5–6. ISBN 1-59593-904-0. LCCN ????

Steffy:2013:ELI

[Ste13]   Daniel E. Steffy. Exact linear and integer programming: tutorial abstract. In Monagan et al. [MCG13], pages 11–12. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Stifter:1989:GRM

[Sti89]   S. Stifter. A generalization of the Roider method to solve the robot collision problem in 3D. In Gianni [Gia89], pages 332–343. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Stifter:1993:GTP

[Sti93]   Sabine Stifter. Geometry theorem proving in vector spaces by means of Gröbner bases. In Bronstein [Bro93], pages 301–310. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p301-stifter/`. ACM order number: 505930.

Stiller:1997:SCO

[Sti97]   Peter F. Stiller. Symbolic computation of object/image equations. In Küchlin [Küc97], pages 359–364. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p359-stiller/`.

Sperber:1997:DPE

[STK97]   Michael Sperber, Peter Thiemann, and Hervert Klaeren. Distributed partial evaluation. In Küchlin [Küc97], pages 80–87. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/266670/p80-sperber/`.

Storjohann:1996:NOA

[Sto96]   Arne Storjohann.   Near optimal algorithms for computing
           Smith normal forms of integer matrices. In Lakshman Y. N.
           [Lak96], pages 267–274. ISBN 0-89791-796-0. LCCN QA 76.95
           I59 1996.   URL `http://www.acm.org:80/pubs/citations/`
           `proceedings/issac/236869/p267-storjohann/`.

Storjohann:1997:SEG

[Sto97]   Arne Storjohann. A solution to the extended GCD problem with
           applications. In Küchlin [Küc97], pages 109–116. ISBN 0-89791-
           875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/`
           `citations/proceedings/issac/258726/p109-storjohann/`.

Storjohann:1998:I

[Sto98]   Arne Storjohann.   An $O(n^3)$ algorithm for the Frobenius
           normal form.   In Gloor [Glo98], pages 101–105.   ISBN 1-
           58113-002-3.   LCCN QA155.7.E4 E88 1998.   URL `http://`
           `www.acm.org/pubs/citations/proceedings/issac/281508/`
           `p101-storjohann/`.

Storjohann:2002:HOL

[Sto02]   Arne Storjohann. High-order lifting. In Mora [Mor02], pages
           246–254. ISBN 1-58113-484-3. LCCN QA76.95. URL `http://`
           `www.lifl.fr/ISSAC2002/`.

Storjohann:2009:IMR

[Sto09]   Arne Storjohann.   Integer matrix rank certification.   In May
           [May09], pages 333–340. ISBN 1-60558-609-9. LCCN ????

Strzebonski:2008:RRI

[Str08]   Adam Strzebonski.   Real root isolation for exp-log functions.
           In Jeffrey [Jef08], pages 303–314. ISBN 1-59593-904-0. LCCN
           ????

Strzebonski:2009:RRI

[Str09]   Adam Strzebonski.   Real root isolation for tame elementary
           functions. In May [May09], pages 341–350. ISBN 1-60558-609-
           9. LCCN ????

Strzebonski:2010:CSS

[Str10]   Adam Strzeboński. Computation with semialgebraic sets rep-
           resented by cylindrical algebraic formulas.   In Watt [Wat10],
           pages 61–68. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Strassen:2012:ASM

[Str12a]   Volker Strassen. Asymptotic spectrum and matrix multiplication. In van der Hoeven and van Hoeij [vdHvH12], pages 6–7. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Strzebonski:2012:SPS

[Str12b]   Adam Strzeboński. Solving polynomial systems over semialgebraic sets represented by cylindrical algebraic formulas. In van der Hoeven and van Hoeij [vdHvH12], pages 335–342. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Singer:1992:LST

[SU92]   Michael F. Singer and Felix Ulmer. Liouvillian solutions of third order linear differential equations: new bounds and necessary conditions. In Wang [Wan92b], pages 57–62. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p57-singer/`. ACM order number: 505920.

Sudan:2008:AAC

[Sud08]   Madhu Sudan. Algebraic algorithms and coding theory. In Jeffrey [Jef08], page 337. ISBN 1-59593-904-0. LCCN ????

Sullivant:2012:AS

[Sul12]   Seth Sullivant. Algebraic statistics. In van der Hoeven and van Hoeij [vdHvH12], page 11. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Storjohann:2005:CRS

[SV05]   Arne Storjohann and Gilles Villard. Computing the rank and a small nullspace basis of a polynomial matrix. In Kauers [Kau05], pages 309–316. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Sottile:2010:SSP

[SVV10]   Frank Sottile, Ravi Vakil, and Jan Verschelde. Solving Schubert problems with Littlewood–Richardson homotopies. In Watt [Wat10], pages 179–186. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Sharma:1989:SDA

[SW89]   N. Sharma and P. S. Wang. Symbolic derivation and automatic generation of parallel routines for finite element analysis. In Gianni [Gia89], pages 33–56. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Sendra:2001:CDR

[SW01]   J. Rafael Sendra and Franz Winkler. Computation of the degree of rational maps between curves. In Mourrain [Mou01], pages 317–322. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Saunders:2004:SNF

[SW04]   David Saunders and Zhendong Wan. Smith Normal Form of dense integer matrices fast algorithms into practice. In Gutierrez [Gut04], pages 274–281. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Sevilla:2010:PIR

[SW10]   David Sevilla and Daniel Wachsmuth. Polynomial integration on regions defined by a triangle and a conic. In Watt [Wat10], pages 163–170. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Sun:2011:GCS

[SW11]   Yao Sun and Dingkang Wang. A generalized criterion for signature related Gröbner basis algorithms. In Schost and Emiris [SE11], pages 337–344. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Sun:2012:SBA

[SWMZ12] Yao Sun, Dingkang Wang, Xiaodong Ma, and Yang Zhang. A signature-based algorithm for computing Gröbner bases in solvable polynomial algebras. In van der Hoeven and van Hoeij [vdHvH12], pages 351–358. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Saunders:2011:NSE

[SWY11]   B. David Saunders, David Harlan Wood, and Bryan S. Youse. Numeric-symbolic exact rational linear system solver. In Schost and Emiris [SE11], pages 305–312. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

She:2011:AAA

[SXZ11]   Zhikun She, Bai Xue, and Zhiming Zheng. Algebraic analysis on asymptotic stability of continuous dynamical systems. In Schost and Emiris [SE11], pages 313–320. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Sasaki:1998:ACE

[SY98]   Tateaki Sasaki and Satoshi Yamaguchi. An analysis of cancellation error in multivariate Hensel construction with floating-point number arithmetic. In Gloor [Glo98], pages 1–8. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL http://www.acm.org/pubs/citations/proceedings/issac/281508/p1-sasaki/.

Saunders:2009:LMS

[SY09]   B. David Saunders and Bryan S. Youse. Large matrix, small rank. In May [May09], pages 317–324. ISBN 1-60558-609-9. LCCN ????

Sagraloff:2011:SEE

[SY11]   Michael Sagraloff and Chee K. Yap. A simple but exact and efficient algorithm for complex root isolation. In Schost and Emiris [SE11], pages 353–360. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Sharma:2012:NOT

[SY12]   Vikram Sharma and Chee K. Yap. Near optimal tree size bounds on a simple real root isolation algorithm. In van der Hoeven and van Hoeij [vdHvH12], pages 319–326. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Stein:1991:ADR

[SZ91]   Andreas Stein and Horst Günter Zimmer. An algorithm for determining the regulator and the fundamental unit of a hyperelliptic congruence function field. In Watt [Wat91], pages 183–184. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p183-stein/.

Sturm:2010:PQS

[SZ10]   Thomas Sturm and Christoph Zengler. Parametric quantified SAT solving. In Watt [Wat10], pages 77–84. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Szanto:1997:CWR

[Szá97]   Ágnes Szántó. Complexity of the Wu–Ritt decomposition. In Küchlin [Küc97], pages 139–149. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/266670/p139-szanto/`.

Szanto:2011:HSN

[Sza11]   Agnes Szanto. Hybrid symbolic-numeric methods for the solution of polynomial systems: tutorial overview. In Schost and Emiris [SE11], pages 9–10. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Takayama:1990:ACI

[Tak90a]   N. Takayama. An algorithm of constructing the integral of a module — an infinite dimensional analog of Gröbner basis. In Watanabe and Nagata [WN90], pages 206–211. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p206-takayama/`.

Takayama:1990:GBI

[Tak90b]   N. Takayama. Gröbner basis, integration and transcendental functions. In Watanabe and Nagata [WN90], pages 152–156. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p152-takayama/`.

Takesue:1994:PSP

[Tak94]   M. Takesue. Parallel symbolic processing with the distributed lists. In Hong [Hon94], pages 373–381. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Tao:1990:SAM

[Tao90]   Qingsheng Tao. Symbolic and algebraic manipulation for formulae of interpolation and quadrature. In Watanabe and Nagata [WN90], page 306. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p306-tao/`.

Todd:1989:SAP

[TC89]   P. H. Todd and G. W. Cherry. Symbolic analysis of planar drawings. In Gianni [Gia89], pages 344–355. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Teo:1997:DEP

[TCT97]   Yong Meng Teo, Wei-Ngan Chin, and Soon Huat Tan. Deriving efficient parallel programs for complex recurrences. In Küchlin [Küc97], pages 101–110. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/proceedings/issac/266670/p101-teo/.

Traverso:1989:EGB

[TD89]   C. Traverso and L. Donati. Experimenting the Gröbner basis algorithm with the A1PI system. In Gonnet [Gon89], pages 192–198. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p192-traverso/. ACM order number: 505890. English and French.

Tan:1990:OTS

[TD90]   H. Q. Tan and X. Dong. Optimization techniques for symbolic equation solver in engineering applications. In Watanabe and Nagata [WN90], page 305. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p305-tan/.

Teitelbaum:1989:CCR

[Tei89]   J. Teitelbaum. On the computational complexity of the resolution of plane curve singularities. In Gianni [Gia89], pages 285–292. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Terui:2009:IMC

[Ter09]   Akira Terui. An iterative method for calculating approximate GCD of univariate polynomials. In May [May09], pages 351–358. ISBN 1-60558-609-9. LCCN ????

Thomas:1996:SCI

[Tho96]   G. Thomas. Symbolic computation of the index of quasilinear differential-algebraic equations. In Lakshman Y. N.

[Lak96], pages 196–203. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p196-thomas/`.

Thome:2001:FCL

[Tho01] Emmanuel Thomé. Fast computation of linear generators for matrix sequences and application to the block Wiedemann algorithm. In Mourrain [Mou01], pages 323–331. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Thuemmel:1996:CCT

[Thu96a] A. Thuemmel. Computing character tables of p-groups. In Lakshman Y. N. [Lak96], pages 150–154. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996.

Thummel:1996:CCT

[Thü96b] Andreas Thümmel. Computing character tables of p-groups. In Lakshman Y. N. [Lak96], pages 150–154. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p150-thummel/`.

Tiwari:2010:TRV

[Tiw10] Ashish Tiwari. Theory of reals for verification and synthesis of hybrid dynamical systems. In Watt [Wat10], pages 5–6. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Tong:1994:IDC

[TL94] B.-M. Tong and H.-F. Leung. Implementation of a data-parallel concurrent constraint programming system. In Hong [Hon94], pages 382–393. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Todd:1994:SSA

[TMH94] Philip H. Todd, Robin J. Y. McLeod, and Marcia Harris. A system for the symbolic analysis of problems in engineering mechanics. In ACM [ACM94], pages 84–89. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p84-todd/`.

Tournier:2005:ADS

[Tou05] Laurent Tournier. Approximation of dynamical systems using s-systems theory: application to biological systems. In Kauers

[Kau05], pages 317–324. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Traverso:1989:GTA

[Tra89] C. Traverso. Gröbner trace algorithms. In Gianni [Gia89], pages 125–138. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Tran:1998:PCG

[Tra98] Q.-N. Tran. Parallel computation and Gröbner bases: An application for converting bases with the Gröbner walk. In Buchberger and Winkler [BW98], pages 519–531. ISBN 0-521-63298-6. LCCN QA251.3.G76 1998.

Traverso:2000:IAU

[Tra00] Carlo Traverso, editor. *ISSAC 2000: 7–9 August 2000, University of St. Andrews, Scotland: proceedings of the 2000 International Symposium on Symbolic and Algebraic Computation.* ACM Press, New York, NY 10036, USA, 2000. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL http://www.acm.org/pubs/contents/proceedings/issac/345542/. ACM order number 505000.

Trager:2006:PIS

[Tra06] Barry Trager, editor. *Proceedings of the 2006 International Symposium on Symbolic and Algebraic Computation, Genoa, Italy July 09–12, 2006.* ACM Press, New York, NY 10036, USA, 2006. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Tsarev:1996:ACE

[Tsa96] S. P. Tsarev. An algorithm for complete enumeration of all factorizations of a linear ordinary differential operator. In Lakshman Y. N. [Lak96], pages 226–231. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p226-tsarev/.

Tsarev:1997:SMI

[Tsa97] S. P. Tsarev. Symbolic manipulation of integrodifferential expressions and factorization of linear ordinary differential operators over transcendental extensions of a differential field. In Küchlin [Küc97], pages 310–315. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p310-tsarev/.

Tsarev:1999:FNO

[Tsa99]   S. P. Tsarev. On factorization of nonlinear ordinary differential equations. In Dooley [Doo99], pages 159–164. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL `http://www.acm.org/pubs/contents/proceedings/issac/309831/`.

Tsarev:2005:GLT

[Tsa05]   Sergey P. Tsarev. Generalized Laplace transformations and integration of hyperbolic systems of linear partial differential equations. In Kauers [Kau05], pages 325–331. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Tsarev:2010:TFP

[Tsa10]   S. P. Tsarev. Transformation and factorization of partial differential systems: applications to stochastic systems. In Watt [Wat10], pages 11–12. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Trenkov:1991:ARS

[TSD91]   I. Trenkov, M. Spiridonova, and M. Daskalova. An application of the REDUCE system for solving a mathematical geodesy problem. In Watt [Wat91], pages 448–449. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p448-trenkov/`.

Turner:2005:PSB

[Tur05]   William J. Turner. Preconditioners for singular black box matrices. In Kauers [Kau05], pages 332–339. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Turner:2006:BWR

[Tur06]   William J. Turner. A block Wiedemann rank algorithm. In Trager [Tra06], pages 332–339. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Trevisan:1991:PFU

[TW91]   Vilmar Trevisan and Paul Wang. Practical factorization of univariate polynomials over finite fields. In Watt [Wat91], pages 22–31. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p22-trevisan/`.

Wu:2005:FKT

[tW05]   Wen tsun Wu. On a finite kernel theorem for polynomial-type optimization problems and some of its applications. In Kauers [Kau05], page 4. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Traverso:2002:NSS

[TZ02]   Carlo Traverso and Alberto Zanoni. Numerical stability and stabilization of Gröbner basis computation. In Mora [Mor02], pages 262–269. ISBN 1-58113-484-3. LCCN QA76.95. URL `http://www.lifl.fr/ISSAC2002/`.

Ulmer:1990:LSH

[UC90]   F. Ulmer and J. Calmet. On Liouvillian solutions of homogeneous linear differential equations. In Watanabe and Nagata [WN90], pages 236–243. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p236-ulmer/`.

Grigoriev:1991:ASR

[uGK91]   Dima Yu. u. Grigoriev and Marek Karpinski. Algorithms for sparse rational interpolation. In Watt [Wat91], pages 7–13. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p7-grigoriev/`.

Grigoriev:1992:ESP

[uGKO92]   Dima Y. u. Grigoriev, Marek Karpinski, and Andrew M. Odlyzko. Existence of short proofs for nondivisibility of sparse polynomials under the extended Riemann hypothesis. In Wang [Wan92b], pages 117–122. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p117-grigoriev/`. ACM order number: 505920.

Umans:2006:GTA

[Uma06]   Christopher Umans. Group-theoretic algorithms for matrix multiplication. In Trager [Tra06], page 5. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Valibouze:1989:RSF

[Val89]   A. Valibouze.   Resolvents and symmetric functions.   In Gonnet [Gon89], pages 390–399. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989.   US$29.00.   URL `http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p390-valibouze/`. ACM order number: 505890. English and French.

Vallier:1993:ACN

[Val93]   L. Vallier.   An algorithm for the computation of normal forms and invariant manifolds.   In Bronstein [Bro93], pages 225–233.   ISBN 0-89791-604-2.   LCCN QA 76.95 I59 1993.   URL `http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p225-vallier/`.   ACM order number: 505930.

vanHoeij:1994:CPR

[van94]   Mark van Hoeij. Computing parameterizations of rational algebraic curves. In ACM [ACM94], pages 187–190. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p187-van_hoeij/`.

vanHoeij:1995:ACW

[van95]   Mark van Hoeij. An algorithm for computing the Weierstrass normal form. In Levelt [Lev95], pages 90–95. ISBN 0-89791-699-9.   LCCN QA 76.95 I59 1995.   URL `http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p90-van_hoeij/`. ACM order number: 505950.

vanHoeij:1996:RSM

[van96]   Mark van Hoeij. Rational solutions of the mixed differential equation and its application to factorization of differential operators. In Lakshman Y. N. [Lak96], pages 219–225. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p219-van_hoeij/`.

vanderHoeven:1997:LMF

[van97]   Joris van der Hoeven. Lazy multiplication of formal power series.   In Küchlin [Küc97], pages 17–20.   ISBN 0-89791-875-4.   LCCN QA76.95.   URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p17-van_der_hoeven/`.

vanHoeij:1998:RSL

[van98]   Mark van Hoeij. Rational solutions of linear difference equations. In Gloor [Glo98], pages 120–123. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL `http://www.acm.org/pubs/citations/proceedings/issac/281508/p120-van_hoeij/`.

Vinette:1989:USC

[VC89]   F. Vinette and J. Cizek. The use of symbolic computation in solving some nonrelativistic quantum mechanical problems. In Gianni [Gia89], pages 85–95. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Hoeven:2002:NZT

[vdH02]   Joris van der Hoeven. A new zero-test for formal power series. In Mora [Mor02], pages 117–122. ISBN 1-58113-484-3. LCCN QA76.95. URL `http://www.lifl.fr/ISSAC2002/`.

Hoeven:2003:RMU

[vdH03]   Joris van der Hoeven. Relaxed multiplication using the middle product. In Senda [Sen03], pages 143–147. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

vanderHoeven:2004:TFT

[vdH04]   Joris van der Hoeven. The truncated Fourier transform and applications. In Gutierrez [Gut04], pages 290–296. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

vanderHoeven:2006:ERN

[vdH06]   Joris van der Hoeven. Effective real numbers in Mmxlib. In Trager [Tra06], pages 138–145. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

vanderHoeven:2012:CMB

[vdHL12]   Joris van der Hoeven and Grégoire Lecerf. On the complexity of multivariate blockwise polynomial multiplication. In van der Hoeven and van Hoeij [vdHvH12], pages 211–218. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

vanderHoeven:2013:IMC

[vdHL13]   Joris van der Hoeven and Grégoire Lecerf. Interfacing MATHEMAGIX with C++. In Monagan et al. [MCG13], pages 363–370. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

vanderHoeven:2013:SFT

[vdHLS13] Joris van der Hoeven, Romain Lebreton, and Éric Schost. Structured FFT and TFT: symmetric and lattice polynomials. In Monagan et al. [MCG13], pages 355–362. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

vanderHoeven:2012:IPI

[vdHvH12] Joris van der Hoeven and Mark van Hoeij, editors. *ISSAC 2012: Proceedings of the 2012 International Symposium on Symbolic and Algebraic Computation, July 22–25, 2012, Grenoble, France.* ACM Press, New York, NY 10036, USA, 2012. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

vandeWoestijne:2005:DES

[vdW05] Christiaan van de Woestijne. Deterministic equation solving over finite fields. In Kauers [Kau05], pages 348–353. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

vandeWoestijne:2006:SPD

[vdW06] Christiaan van de Woestijne. Surface parametrisation without diagonalisation. In Trager [Tra06], pages 340–344. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.

Verschelde:2004:NAG

[Ver04] Jan Verschelde. Numerical algebraic geometry and symbolic computation. In Gutierrez [Gut04], page 3. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Viklund:1992:OLS

[VF92] Lars Viklund and Peter Fritzson. An object-oriented language for symbolic computation — applied to machine element analysis. In Wang [Wan92b], pages 397–405. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p397-viklund/. ACM order number: 505920.

VonzurGathen:1996:AFP

[vG96] Joachim von zur Gathen and Jürgen Gerhard. Arithmetic and factorization of polynomial over $\mathbf{F}_2$ (extended abstract). In Lakshman Y. N. [Lak96], pages 1–9. ISBN 0-89791-796-0.

LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p1-von_zur_gathen/`.

vanderPut:1993:RRK

[vH93]   Marius van der Put and Peter A. Hendriks. A rationality result for Kovacic's algorithm. In Bronstein [Bro93], pages 4–8. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p4-van_der_put/`. ACM order number: 505930.

vonzurGathen:1996:FMP

[vH96]   Joachim von zur Gathen and Silke Hartlieb. Factoring modular polynomials (extended abstract). In Lakshman Y. N. [Lak96], pages 10–17. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p10-von_zur_gathen/`.

vanHoeij:2007:STO

[vH07]   Mark van Hoeij. Solving third order linear differential equations in terms of second order equations. In Brown [Bro07], pages 355–360. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

vanHoeij:2013:CFU

[vH13]   Mark van Hoeij. The complexity of factoring univariate polynomials over the rationals: tutorial abstract. In Monagan et al. [MCG13], pages 13–14. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

vanHulzen:1989:COP

[vHGv89]   J. A. van Hulzen, B. J. A. Hulshof, B. L. Gates, and M. C. van Heerwaarden. A code optimization package for REDUCE. In Gonnet [Gon89], pages 163–170. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p163-van_hulzen/`. ACM order number: 505890. English and French.

vanHoeij:2011:GS

[vHKN11]   Mark van Hoeij, Jürgen Klüners, and Andrew Novocin. Generating subfields. In Schost and Emiris [SE11], pages 345–352. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

vanHoeij:2010:LSI

[vHL10]   Mark van Hoeij and Giles Levy. Liouvillian solutions of ir-
reducible second order linear difference equations. In Watt
[Wat10], pages 297–301. ISBN 1-4503-0150-9. LCCN QA76.95
.I59 2010.

Hoeij:2002:MGA

[vHM02]   Mark van Hoeij and Michael Monagan. A modular GCD al-
gorithm over number fields presented with multiple extensions.
In Mora [Mor02], pages 109–116. ISBN 1-58113-484-3. LCCN
QA76.95. URL http://www.lifl.fr/ISSAC2002/.

vanHoeij:2004:APG

[vHM04]   Mark van Hoeij and Michael Monagan. Algorithms for poly-
nomial GCD computation over algebraic function fields. In
Gutierrez [Gut04], pages 297–304. ISBN 1-58113-827-X. LCCN
QA76.95 .I57 2004.

vanHoeij:2005:SSO

[vHW05]   M. van Hoeij and J.-A. Weil. Solving second order linear dif-
ferential equations with Klein's theorem. In Kauers [Kau05],
pages 340–347. ISBN 1-59593-095-7. LCCN ???? ACM Order
Number 505050.

vanHoeij:2010:FAB

[vHY10]   Mark van Hoeij and Quan Yuan. Finding all Bessel type so-
lutions for linear differential equations with rational function
coefficients. In Watt [Wat10], pages 37–44. ISBN 1-4503-0150-
9. LCCN QA76.95 .I59 2010.

Villard:1992:PLB

[Vil92]   Gilles Villard. Parallel lattice basis reduction. In Wang
[Wan92b], pages 269–277. ISBN 0-89791-489-9 (soft cover), 0-
89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL http:
//www.acm.org:80/pubs/citations/proceedings/issac/143242/
p269-villard/. ACM order number: 505920.

Villard:1993:CSN

[Vil93]   Gilles Villard. Computation of the Smith normal form of poly-
nomial matrices. In Bronstein [Bro93], pages 209–217. ISBN 0-
89791-604-2. LCCN QA 76.95 I59 1993. URL http://www.acm.
org:80/pubs/citations/proceedings/issac/164081/p209-
villard/. ACM order number: 505930.

Villard:1994:FPC

[Vil94]   Gilles Villard. Fast parallel computation of the Smith normal form of polynomial matrices. In ACM [ACM94], pages 312–317. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p312-villard/`.

Villard:1996:CPH

[Vil96]   G. Villard. Computing Popov and Hermite forms of polynomial matrices. In Lakshman Y. N. [Lak96], pages 250–258. ISBN 0-89791-796-0. LCCN QA 76.95 I59 1996. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/236869/p250-villard/`.

Villard:1997:FAC

[Vil97]   G. Villard. Further analysis of Coppersmith's block Wiedemann algorithm for the solution of sparse linear systems. In Küchlin [Küc97], pages 32–39. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p32-villard/`.

Villard:2007:CFL

[Vil07a]   Gilles Villard. Certification of the QR factor R and of lattice basis reducedness. In Brown [Bro07], pages 361–368. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Villard:2007:SRP

[Vil07b]   Gilles Villard. Some recent progress in exact linear algebra and related questions. In Brown [Bro07], pages 391–392. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5 S98 2007. ACM order number 505070.

Villard:2011:RPL

[Vil11]   Gilles Villard. Recent progress in linear algebra and lattice basis reduction. In Schost and Emiris [SE11], pages 3–4. ISBN 1-4503-0675-6. LCCN QA76.95 .I59 2011.

Vinette:1991:FSC

[Vin91]   F. Vinette. Features of symbolic computation exploited in the calculation of lower energy bounds of cyclic polyene models. In Watt [Wat91], pages 458–459. ISBN 0-89791-437-6. LCCN

QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/
citations/proceedings/issac/120694/p458-vinette/.

Villard:1999:AIA

[VM99] Dominique Villard and Michael B. Monagan. ADrien:
an implementation of automatic differentiation in Maple.
In Dooley [Doo99], pages 221–228. ISBN 1-58113-073-2.
LCCN QA76.95 .I57 1999. URL http://www.acm.org/pubs/
contents/proceedings/issac/309831/.

Volcheck:1993:NSS

[Vol93a] E. J. Volcheck. Noether's S-transformation simplifies curve sin-
gularities rationally: a local analysis. In Bronstein [Bro93],
pages 164–172. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993.
ACM order number: 505930.

Volcheck:1993:NTS

[Vol93b] Emil J. Volcheck. Noether's S-transformation simplifies curve
singularities rationally: a local analysis. In Bronstein [Bro93],
pages 164–172. ISBN 0-89791-604-2. LCCN QA 76.95
I59 1993. URL http://www.acm.org:80/pubs/citations/
proceedings/issac/164081/p164-volcheck/. ACM order
number: 505930.

Volcheck:1997:CDP

[Vol97] Emil Volcheck. On computing the dual of a plane algebraic
curve. In Küchlin [Küc97], pages 356–358. ISBN 0-89791-
875-4. LCCN QA76.95. URL http://www.acm.org:80/pubs/
citations/proceedings/issac/258726/p356-volcheck/.

Vollmer:2003:NHB

[Vol03] Ulrich Vollmer. A note on the Hermite basis computation of
large integer matrices. In Senda [Sen03], pages 255–257. ISBN
1-58113-641-2. LCCN QA76.95. ACM order number 505030.

vonzurGathen:1990:PFF

[von90] J. von zur Gathen. Polynomials over finite fields with large
images. In Watanabe and Nagata [WN90], pages 140–144.
ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley).
LCCN QA76.95 .I57 1990. URL http://www.acm.org:80/
pubs/citations/proceedings/issac/96877/p140-von_zur_
gathen/.

Vakhidov:1998:ACA

[VT98]   Akmal A. Vakhidov and Irina V. Tupikova. Application of com-
           puter algebra methods to the construction of an asteroid motion
           theory based on Lie transforms. In Gloor [Glo98], pages 76–
           79. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL
           http://www.acm.org/pubs/citations/proceedings/issac/
           281508/p76-vakhidov/.

V:1997:MRP

[VZ97]   Eugene V. and Zima. Mixed representation of polynomials ori-
           ented towards fast parallel shift. In Küchlin [Küc97], pages 150–
           155. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www.
           acm.org:80/pubs/citations/proceedings/issac/266670/
           p150-zima/.

vonzurGathen:2001:ITF

[vzG01]   Joachim von zur Gathen. Irreducible trinomials over finite
           fields. In Mourrain [Mou01], pages 332–336. ISBN 1-58113-
           417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

vonzurGathen:2006:WWW

[vzG06]   Joachim von zur Gathen. Who was who in polynomial factoriza-
           tion: 1. In Trager [Tra06], page 2. ISBN 1-59593-276-3. LCCN
           ???? ACM order number 505060.

vonzurGathen:2007:CRS

[vzG07]   Joachim von zur Gathen. Counting reducible and singular bi-
           variate polynomials. In Brown [Bro07], pages 369–376. ISBN 1-
           59593-743-9 (print), 1-59593-742-0 (CD-ROM). LCCN QA76.5
           S98 2007. ACM order number 505070.

vonzurGathen:2009:NDU

[vzG09]   Joachim von zur Gathen. The number of decomposable uni-
           variate polynomials. extended abstract. In May [May09], pages
           359–366. ISBN 1-60558-609-9. LCCN ????

vonzurGathen:1997:FAT

[vzGG97]   Joachim von zur Gathen and Jürgen Gerhard. Fast algo-
           rithms for Taylor shifts and certain difference equations. In
           Küchlin [Küc97], pages 40–47. ISBN 0-89791-875-4. LCCN
           QA76.95.   URL http://www.acm.org:80/pubs/citations/
           proceedings/issac/258726/p40-von_zur_gathen/.

vonzurGathen:2010:CCP

[vzGGZ10] Joachim von zur Gathen, Mark Giesbrecht, and Konstantin Ziegler. Composition collisions and projective polynomials: statement of results. In Watt [Wat10], pages 123–130. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

vonzurGathen:1999:CSP

[vzGN99] Joachim von zur Gathen and Michael Nöcker. Computing special powers in finite fields: extended abstract. In Dooley [Doo99], pages 83–90. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL http://www.acm.org/pubs/contents/proceedings/issac/309831/.

Wang:1981:SPA

[Wan81] Paul S. Wang, editor. *SYMSAC '81: proceedings of the 1981 ACM Symposium on Symbolic and Algebraic Computation, Snowbird, Utah, August 5–7, 1981.* ACM Press, New York, NY 10036, USA, 1981. ISBN 0-89791-047-8. LCCN QA155.7.E4 A28 1981. US\$23.00. ACM order no. 505810.

Wang:1990:PUP

[Wan90] P. S. Wang. Parallel univariate polynomial factorization on shared-memory multiprocessors. In Watanabe and Nagata [WN90], pages 145–151. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p145-wang/.

Wang:1991:TMI

[Wan91] Dongming Wang. A toolkit for manipulating indefinite summations with application to neural networks. In Watt [Wat91], pages 462–463. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p462-wang/.

Wang:1992:PUA

[Wan92a] Paul S. Wang. Parallel univariate p-adic lifting on shared-memory multiprocessors. In *Proceedings of ISSAC '92. International Symposium on Symbolic and Algebraic Computation* [Wan92b], pages 168–176. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. URL http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p168-wang/. ACM order number: 505920.

Wang:1992:PII

[Wan92b]   Paul S. Wang, editor. *Proceedings of ISSAC '92. International Symposium on Symbolic and Algebraic Computation.* ACM Press, New York, NY 10036, USA, 1992. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN QA76.95.I59 1992. ACM order number: 505920.

Wang:1994:PPO

[Wan94]   P. S. Wang. Parallel polynomial operations: A progress report (invited tutorial). In Hong [Hon94], pages 394–404. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Wang:1997:TPD

[Wan97]   Paul S. Wang. Tools for parallel/distributed mathematical computation. In Küchlin [Küc97], pages 188–195. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/266670/p188-wang/`.

Wang:1999:DPI

[Wan99]   Paul S. Wang. Design and protocol for Internet accessible mathematical computation. In Dooley [Doo99], pages 291–298. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL `http://www.acm.org/pubs/contents/proceedings/issac/309831/`.

Watt:1989:FPM

[Wat89]   S. M. Watt. A fixed point method for power series computation. In Gianni [Gia89], pages 206–217. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Watt:1991:IPI

[Wat91]   Stephen M. Watt, editor. *ISSAC '91: proceedings of the 1991 International Symposium on Symbolic and Algebraic Computation, July 15–17, 1991, Bonn, Germany.* ACM Press, New York, NY 10036, USA, 1991. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991.

Watt:2010:IPI

[Wat10]   Stephen M. Watt, editor. *ISSAC 2010: Proceedings of the 2010 International Symposium on Symbolic and Algebraic Computation, July 25–28, 2010, Munich, Germany.* ACM Press, New York, NY 10036, USA, 2010. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Wavrik:1999:CTE

[Wav99]   John J. Wavrik. Commutativity theorems: examples in search of algorithms. In Dooley [Doo99], pages 31–36. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL http://www.acm.org/pubs/contents/proceedings/issac/309831/.

Willis:1993:CSP

[WB93]   T. J. Willis and E. A. Bogucz. Coupling symbolic processing with parallel numeric computation. In Sincovec [Sin93], pages 788–792. ISBN 0-89871-315-3. LCCN QA76.58.S55 1993. Two volumes.

Watt:1994:FRA

[WBD$^+$94]   Stephen M. Watt, Peter A. Broadbery, Samuel S. Dooley, Pietro Iglio, Scott C. Morrison, Jonathan M. Steinbach, and Robert S. Sutor. A first report on the A^{hash} compiler. In ACM [ACM94], pages 25–31. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p25-watt/.

Wang:2008:IPQ

[WCD08]   Xuhui Wang, Falai Chen, and Jiansong Deng. Implicitization and parametrization of quadratic surfaces with one simple base point. In Jeffrey [Jef08], pages 31–38. ISBN 1-59593-904-0. LCCN ????

Weber:1994:ATI

[Web94a]   Andreas Weber. Algorithms for type inference with coercions. In ACM [ACM94], pages 324–329. ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL http://www.acm.org:80/pubs/citations/proceedings/issac/190347/p324-weber/.

Weber:1994:PIA

[Web94b]   K. Weber. Parallel implementation of the accelerated integer GCD algorithm. In Hong [Hon94], pages 405–411. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Weispfenning:1989:EDP

[Wei89]   V. Weispfenning. Efficient decision procedures for locally finite theories. II. In Gianni [Gia89], pages 262–273. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. For pt. I, see AECC-3, Grenoble, Springer LNCS, vol. 229.

Weispfenning:1992:FGB

[Wei92a]   V. Weispfenning.   Finite Gröbner bases in non-Noetherian
              skew polynomial rings.   In Wang [Wan92b], pages 329–
              334.   ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard
              cover).   LCCN QA76.95.I59 1992.   URL `http://www.acm.`
              `org:80/pubs/citations/proceedings/issac/143242/p329-`
              `weispfenning/`. ACM order number: 505920.

Weisss:1992:HDP

[Wei92b]   Jürgen Weiß.   Homogeneous decomposition of polynomi-
              als.   In Wang [Wan92b], pages 146–151.   ISBN 0-89791-
              489-9 (soft cover), 0-89791-490-2 (hard cover).   LCCN
              QA76.95.I59 1992.   URL `http://www.acm.org:80/pubs/`
              `citations/proceedings/issac/143242/p146-weiszlig/`. ACM
              order number: 505920.

Weispfenning:1993:DTP

[Wei93a]   V. Weispfenning. Differential term-orders. In Bronstein [Bro93],
              pages 245–253. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993.
              ACM order number: 505930.

Weispfenning:1993:DT

[Wei93b]   Volker Weispfenning.   Differential term-orders.   In Bronstein
              [Bro93], pages 245–253. ISBN 0-89791-604-2. LCCN QA 76.95
              I59 1993.   URL `http://www.acm.org:80/pubs/citations/`
              `proceedings/issac/164081/p245-weispfenning/`. ACM or-
              der number: 505930.

Weil:1994:USS

[Wei94a]   Jacques-Arthur Weil.   The use of the special semi-groups for
              solving differential equations. In ACM [ACM94], pages 341–347.
              ISBN 0-89791-638-7. LCCN QA76.95.I59 1994. URL `http://`
              `www.acm.org:80/pubs/citations/proceedings/issac/190347/`
              `p341-weil/`.

Weispfenning:1994:QER

[Wei94b]   Volker Weispfenning. Quantifier elimination for real algebra-
              the cubic case. In ACM [ACM94], pages 258–263. ISBN 0-
              89791-638-7. LCCN QA76.95.I59 1994. URL `http://www.acm.`
              `org:80/pubs/citations/proceedings/issac/190347/p258-`
              `weispfenning/`.

Weispfenning:1997:CUE

[Wei97]   Wolker Weispfenning. Complexity and uniformity of elimination in Presburger arithmetic. In Küchlin [Küc97], pages 48–53. ISBN 0-89791-875-4. LCCN QA76.95. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/258726/p48-weispfenning/`.

Weispfenning:1999:MRI

[Wei99]   Volker Weispfenning. Mixed real-integer linear quantifier elimination. In Dooley [Doo99], pages 129–136. ISBN 1-58113-073-2. LCCN QA76.95 .I57 1999. URL `http://www.acm.org/pubs/contents/proceedings/issac/309831/`.

Weispfenning:2002:CCG

[Wei02]   Volker Weispfenning. Canonical comprehensive Gröbner bases. In Mora [Mor02], pages 270–276. ISBN 1-58113-484-3. LCCN QA76.95. URL `http://www.lifl.fr/ISSAC2002/`.

Wallack:1998:MMM

[WEM98]   Aaron Wallack, Ioannis Z. Emiris, and Dinesh Manocha. MARS: a MAPLE/MATLAB/C resultant-based solver. In Gloor [Glo98], pages 244–251. ISBN 1-58113-002-3. LCCN QA155.7.E4 E88 1998. URL `http://www.acm.org/pubs/citations/proceedings/issac/281508/p244-wallack/`.

Weibel:1991:AP

[WG91]   Trudy Weibel and Gaston H. Gonnet. An algebra of properties. In Watt [Wat91], pages 352–359. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p352-weibel/`.

Wang:2001:IAP

[WGK$^+$01]   P. Wang, S. Gray, N. Kajler, D. Lin, W. Liao, and X. Zou. IAMC architecture and prototyping: a progress report. In Mourrain [Mou01], pages 337–344. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Wikstroem:1994:DPE

[Wik94]   C. Wikstroem. Distributed programming in Erlang. In Hong [Hon94], pages 412–421. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Winkler:1989:GDA

[Win89a]   F. Winkler. A geometrical decision algorithm based on the Gröbner bases algorithm. In Gianni [Gia89], pages 356–363. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Winkler:1989:KPB

[Win89b]   F. Winkler. Knuth–Bendix procedure and Buchberger algorithm — a synthesis. In Gonnet [Gon89], pages 55–67. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p55-winkler/`. ACM order number: 505890. English and French.

Wissmann:1989:ART

[Wis89]   D. Wissmann. Applying rewriting techniques to groups with power-commutation-presentations. In Gianni [Gia89], pages 378–389. ISBN 3-540-51084-2. LCCN QA76.95 .I571 1988. Conference held jointly with AAECC-6.

Jinzhao:1993:RPG

[WJLL93]   Wu-Jinzhao and Li-Lian. The regular problem and Green equivalences for special monoids. In Bronstein [Bro93], pages 78–85. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. ACM order number: 505930.

Wang:2003:WTW

[WKZZ03]   Paul S. Wang, Norbert Kajler, Yi Zhou, and Xiao Zou. WME: towards a Web for Mathematics Education. In Senda [Sen03], pages 258–265. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Wu:1993:RPG

[WL93]   Jinzhao Wu and Lian Li. The regular problem and green equivalences for special monoids. In Bronstein [Bro93], pages 78–85. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p78-wu/`. ACM order number: 505930.

White:1989:CF

[WM89]   N. L. White and T. McMillan. Cayley factorization. In Gianni
              [Gia89], pages 521–533. ISBN 3-540-51084-2. LCCN QA76.95
              .I571 1988. Conference held jointly with AAECC-6.

Watanabe:1990:IPI

[WN90]   Shunro Watanabe and Morio Nagata, editors. *ISSAC '90: pro-
              ceedings of the International Symposium on Symbolic and Alge-
              braic Computation: August 20–24, 1990, Tokyo, Japan.* ACM
              Press and Addison-Wesley, New York, NY 10036, USA and
              Reading, MA, USA, 1990. ISBN 0-89791-401-5 (ACM), 0-201-
              54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990.

Wolf:1995:PAS

[Wol95]   Thomas Wolf. Programs for applying symmetries of PDEs.
              In Levelt [Lev95], pages 7–15. ISBN 0-89791-699-9. LCCN
              QA 76.95 I59 1995. URL http://www.acm.org:80/pubs/
              citations/proceedings/issac/220346/p7-wolf/. ACM or-
              der number: 505950.

Wolfram:2013:CAY

[Wol13]   Stephen Wolfram. Computer algebra: a 32-year update. In
              Monagan et al. [MCG13], pages 7–8. ISBN 1-4503-2059-7.
              LCCN QA76.95 .I59 2013.

Wu:2006:ANA

[WR06]   Wenyuan Wu and Greg Reid. Application of numerical alge-
              braic geometry and numerical linear algebra to PDE. In Trager
              [Tra06], pages 345–352. ISBN 1-59593-276-3. LCCN ???? ACM
              order number 505060.

Wu:2007:SNC

[WR07]   Wenyuan Wu and Greg Reid. Symbolic-numeric computation of
              implicit Riquier Bases for PDE. In Brown [Bro07], pages 377–
              386. ISBN 1-59593-743-9 (print), 1-59593-742-0 (CD-ROM).
              LCCN QA76.5 S98 2007. ACM order number 505070.

Wu:2013:FPR

[WR13]   Wenyuan Wu and Greg Reid. Finding points on real solution
              components and applications to differential polynomial systems.
              In Monagan et al. [MCG13], pages 339–346. ISBN 1-4503-2059-
              7. LCCN QA76.95 .I59 2013.

Wu:1993:ACU

[Wu93]   Hongzhong Wu. On the assignment complexity of uniform trees. In Bronstein [Bro93], pages 95–104. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p95-wu/`. ACM order number: 505930.

Weerawarana:1989:GPC

[WW89]   S. Weerawarana and P. S. Wang. GENCRAY: a portable code generator for Cray Fortran. In Gonnet [Gon89], pages 186–191. ISBN 0-89791-325-6. LCCN QA76.95.I59 1989. US$29.00. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/74540/p186-weerawarana/`. ACM order number: 505890. English and French.

Wang:2005:SAB

[WX05]   Dongming Wang and Bican Xia. Stability analysis of biological systems with real solution classification. In Kauers [Kau05], pages 354–361. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Wu:2008:CMS

[WZ08]   Xiaoli Wu and Lihong Zhi. Computing the multiplicity structure from geometric involutive form. In Jeffrey [Jef08], pages 325–332. ISBN 1-59593-904-0. LCCN ????

Yamasaki:1990:DLP

[Yam90]   S. Yamasaki. Dataflow for logic program as substitution manipulator. In Watanabe and Nagata [WN90], pages 44–51. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p44-yamasaki/`.

Yap:2009:ENC

[Yap09]   Chee K. Yap. Exact numerical computation in algebra and geometry. In May [May09], pages 387–388. ISBN 1-60558-609-9. LCCN ????

Ye:1992:SLI

[YC92]   Honglin Ye and Robert M. Corless. Solving linear integral equations in Maple. In Wang [Wan92b], pages 95–102. ISBN 0-89791-489-9 (soft cover), 0-89791-490-2 (hard cover). LCCN

QA76.95.I59 1992. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/143242/p95-ye/`. ACM order number: 505920.

Yang:2004:EME

[YF04]   Michael Yang and Richard Fateman. Extracting mathematical expressions from PostScript documents. In Gutierrez [Gut04], pages 305–311. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004. URL `http://www.ocf.berkeley.edu/~mlyang/papers/MichaelYangPsmath.pdf`.

Yakubovich:1991:EIS

[YL91]   S. B. Yakubovich and Yu. F. Luchko. The evaluation of integrals and series with respect to indices (parameters) of hypergeometric functions. In Watt [Wat91], pages 271–280. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p271-yakubovich/`.

Yokoyama:1995:FRU

[YLN95]   Kazuhiro Yokoyama, Ziming Li, and István Nemes. Finding roots of unity among quotients of the roots of an integral polynomial. In Levelt [Lev95], pages 85–89. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/220346/p85-yokoyama/`. ACM order number: 505950.

Yokoyama:1990:DSP

[YNT90a]   K. Yokoyama, M. Noro, and T. Takeshima. On determining the solvability of polynomials. In Watanabe and Nagata [WN90], pages 127–134. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p127-yokoyama/`.

Yokoyama:1990:FMP

[YNT90b]   Kazuhiro Yokoyama, Masayuki Noro, and Taku Takeshima. On factoring multi-variate polynomials over algebraically closed fields (abstract). In Watanabe and Nagata [WN90], page 297. ISBN 0-89791-401-5 (ACM), 0-201-54892-5 (Addison-Wesley). LCCN QA76.95 .I57 1990. URL `http://www.acm.org:80/pubs/citations/proceedings/issac/96877/p297-yokoyama/`.

Yokoyama:2004:SAE

[Yok04] Kazuhiro Yokoyama. On systems of algebraic equations with parametric exponents. In Gutierrez [Gut04], pages 312–319. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Yokoyama:1993:HCE

[YT93] Kazuhiro Yokoyama and Taku Takeshima. On Hensel construction of eigenvalues and eigenvectors of matrices with polynomial entries. In Bronstein [Bro93], pages 218–224. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p218-yokoyama/. ACM order number: 505930.

Yun:1986:FCF

[YZ86] D. Y. Y. Yun and C. N. Zhang. A fast carry-free algorithm and hardware design for extended integer GCD computation. In Char [Cha86b], pages 82–84. ISBN 0-89791-199-7 (paperback). LCCN QA155.7.E4 A281 1986. URL http://www.acm.org:80/pubs/citations/proceedings/issac/32439/p82-yun/. ACM order no. 505860.

Yang:2005:OPM

[YZ05] Lu Yang and Zhenbing Zeng. An open problem on metric invariants of tetrahedra. In Kauers [Kau05], pages 362–364. ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Yang:2013:VEB

[YZZ13] Zhengfeng Yang, Lihong Zhi, and Yijun Zhu. Verified error bounds for real solutions of positive-dimensional polynomial systems. In Monagan et al. [MCG13], pages 371–378. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Zanoni:2010:ITC

[Zan10] Alberto Zanoni. Iterative Toom–Cook methods for very unbalanced long integer multiplication. In Watt [Wat10], pages 319–323. ISBN 1-4503-0150-9. LCCN QA76.95 .I59 2010.

Zhang:1994:CSD

[ZB94] H. Zhang and M. P. Bonacina. Cumulating search in a distributed computing environment: A case study in parallel satisfiability. In Hong [Hon94], pages 422–431. ISBN 981-02-2040-5. LCCN QA76.642.I58 1994.

Zeng:2004:AGI

[ZD04] Zhonggang Zeng and Barry H. Dayton. The approximate GCD of inexact polynomials. In Gutierrez [Gut04], pages 320–327. ISBN 1-58113-827-X. LCCN QA76.95 .I57 2004.

Zeng:2003:MCM

[Zen03] Zhonggang Zeng. A method computing multiple roots of inexact polynomials. In Senda [Sen03], pages 266–272. ISBN 1-58113-641-2. LCCN QA76.95. ACM order number 505030.

Zeng:2009:AIF

[Zen09] Zhonggang Zeng. The approximate irreducible factorization of a univariate polynomial: revisited. In May [May09], pages 367–374. ISBN 1-60558-609-9. LCCN ????

Zhang:2000:RCC

[ZG00] Ming Zhang and Ron Goldman. Rectangular corner cutting and Sylvester-resultants. In Traverso [Tra00], pages 301–308. ISBN 1-58113-218-2. LCCN QA76.95.I59 2000. URL http://www.acm.org/pubs/articles/proceedings/issac/345542/p301-zhang/p301-zhang.pdf; http://www.acm.org/pubs/citations/proceedings/issac/345542/p301-zhang/. ACM order number 505000.

Zharkov:1993:ASF

[Zha93] Alexey Y. Zharkov. On algebraic solutions of first order Riccatti equation. In Bronstein [Bro93], pages 1–3. ISBN 0-89791-604-2. LCCN QA 76.95 I59 1993. URL http://www.acm.org:80/pubs/citations/proceedings/issac/164081/p1-zharkov/. ACM order number: 505930.

Ziel:1991:RFD

[Zie91] Richard Ziel. Rational function decomposition. In Watt [Wat91], pages 1–6. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.org:80/pubs/citations/proceedings/issac/120694/p1-zippel/.

Zima:1993:NCO

[Zim93] E. V. Zima. Numeric code optimization in computer algebra systems and recurrent relations technique. In Bronstein [Bro93], pages 42–46. ISBN 0-89791-604-2. LCCN QA 76.95

I59 1993. URL http://www.acm.org:80/pubs/citations/ proceedings/issac/164081/p42-zima/. ACM order number: 505930.

Zima:1995:SOT

[Zim95] Eugene V. Zima. Simplification and optimization transformations of chains of recurrences. In Levelt [Lev95], pages 42–50. ISBN 0-89791-699-9. LCCN QA 76.95 I59 1995. URL http://www.acm.org:80/pubs/citations/ proceedings/issac/220346/p42-zima/. ACM order number: 505950.

Zimmer:1997:SCA

[Zim97] Horst G. Zimmer. SIMATH — a computer algebra system for number theoretic applications. In Küchlin [Küc97], pages 365–375. ISBN 0-89791-875-4. LCCN QA76.95. URL http://www. acm.org:80/pubs/citations/proceedings/issac/258726/ p365-zimmer/.

Zima:2001:CPC

[Zim01] Eugene V. Zima. On computational properties of chains of recurrences. In Mourrain [Mou01], page 345. ISBN 1-58113-417-7. LCCN QA76.95.I59 2001. ACM order number 505010.

Zippel:1991:RFD

[Zip91] R. Zippel. Rational function decomposition. In Watt [Wat91], pages 1–6. ISBN 0-89791-437-6. LCCN QA 76.95 I59 1991.

Zhou:2009:ECO

[ZL09] Wei Zhou and George Labahn. Efficient computation of order bases. In May [May09], pages 375–382. ISBN 1-60558-609-9. LCCN ????

Zhang:2012:FDO

[ZL12] Mingbo Zhang and Yong Luo. Factorization of differential operators with ordinary differential polynomial coefficients. In van der Hoeven and van Hoeij [vdHvH12], pages 359–365. ISBN 1-4503-1269-1. LCCN QA76.95 .I59 2012.

Zhou:2013:CCB

[ZL13] Wei Zhou and George Labahn. Computing column bases of polynomial matrices. In Monagan et al. [MCG13], pages 379–386. ISBN 1-4503-2059-7. LCCN QA76.95 .I59 2013.

Zhou:2012:CMN

[ZLS12]   Wei Zhou, George Labahn, and Arne Storjohann. Comput-
            ing minimal nullspace bases. In van der Hoeven and van
            Hoeij [vdHvH12], pages 366–373. ISBN 1-4503-1269-1. LCCN
            QA76.95 .I59 2012.

Zobnin:2005:AOF

[Zob05]   Aleksey Zobnin. Admissible orderings and finiteness criteria for
            differential standard bases. In Kauers [Kau05], pages 365–372.
            ISBN 1-59593-095-7. LCCN ???? ACM Order Number 505050.

Zolotykh:1991:PCS

[Zol91]   A. A. Zolotykh. A package for computations in simple Lie alge-
            bra representations. In Watt [Wat91], pages 237–238. ISBN 0-
            89791-437-6. LCCN QA 76.95 I59 1991. URL http://www.acm.
            org:80/pubs/citations/proceedings/issac/120694/p237-
            zolotykh/.

Zolotykh:1997:TPD

[Zol97]   Andrij A. Zolotykh. Tensor product decomposition and other
            algorithms for representations of large simple Lie algebras. In
            Küchlin [Küc97], pages 60–67. ISBN 0-89791-875-4. LCCN
            QA76.95. URL http://www.acm.org:80/pubs/citations/
            proceedings/issac/258726/p60-zolotykh/.

Zilic:1999:FMP

[ZR99]   Zeljko Zilic and Katarzyna Radecka. On feasible multivari-
            ate polynomial interpolations over arbitrary fields. In Dooley
            [Doo99], pages 67–74. ISBN 1-58113-073-2. LCCN QA76.95
            .I57 1999.   URL http://www.acm.org/pubs/contents/
            proceedings/issac/309831/.

Zhao:1996:MPM

[ZSST96]   Yanjie Zhao, Tetsuya Sakurai, Hiroshi Sugiura, and Tat-
            suo Torii. A methodology of parsing mathematical nota-
            tion for mathematical computation. In Lakshman Y. N.
            [Lak96], pages 292–300. ISBN 0-89791-796-0. LCCN QA 76.95
            I59 1996. URL http://www.acm.org:80/pubs/citations/
            proceedings/issac/236869/p292-zhao/.

Zhou:2006:GAB

[ZW06]   Meng Zhou and Franz Winkler. Gröbner bases in difference-differential modules. In Trager [Tra06], pages 353–360. ISBN 1-59593-276-3. LCCN ???? ACM order number 505060.