A Bibliography of Publications in *ACM SIGSAM Bulletin* and *ACM Communications in Computer Algebra*

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Title word cross-reference

#10 [Loo75]. **#11** [WR79]. **#2** [BH72a, Cam72, Hea72c, Tut73]. **#3** [Fit73, Fit74c]. **#4** [Bar73, Fit73, GJ74]. **#5** [Cam73]. **#6** [HJ74, McC73, Sta74]. **#7** [CMR74, FMW74, GJY75a, JG74]. **#8** [Fit74a, Hal75, Har77]. **#9** [Kah75].

$(2, 4, 4)$ [Sha15b]. $(\mathbf{C}^{m+1})$ [Gae99]. $1/\pi$ [Wan13]. $1/\pi^2$ [Alm11]. 16 [DS15, DSS15]. 2 [GZ05b, Gol91]. $2W$ [Mur00]. 3 [GZ05b, Myl05, NO91, Sha15b]. 3/2 [Fri74]. 3×3 [HKS19]. 5 [vHK12]. ${}_2F_1$ [vHK12, vHI14]. ${}_{2n}$ [Cam72, Sun73]. α [STC22]. arccoth [CDJW00]. mod$p$ [Tro82]. C^1 [JSS03]. $C^{n\times n}$ [Din09]. D [Rue05, Tab23, Tsa00]. δ [NS18a]. F [BHMM13]. F_4 [iL15]. GF(q) [Vil98]. $\mathbf{GL}(nR)$ [Bro09]. i [LC19]. J_1 [Gol91]. k [Bar15, POdCW19]. L [GR08, Zwi84]. λ [Fla88]. $\leftrightarrow$ [Alv00]. $\mathbf{P}^3$ [HM99]. n [BC02, Fit74b, GHL15, KH81, PM19, POdCW19, WL08]. ω [FGHR12]. P [WGD82, Mor99, RZ20, Sla91, Tro82, Vol95, Yun74]. p^n [Vol95]. Q [Yas08, Zim97, BDM13, CX08, CDM15, Ghe10, Sho15]. $Q(4; q)$, for$q = 5, 7$ [DHS04]. R_n [IP11]. S [Zim97]. $\sin^2 x + \cos^2 x = 1$ [Fat85b]. $\mathrm{Sym}^n \mathbf{P}_m$ [Gae99]. T [HMMR22]. W [Din09, MS16a, MW18, SFG13, SFGZ14, LLG08]. X

[DGG15, She10]. Y [She10]. $y^{(3)} + ay' + by = 0, a, b \in \mathcal{C}[x]$ [Ber99a]. Y_{2n} [BH72a, Hea72c]. $ye^y = x$ [Gos98]. $ye^{y^2} = x$ [Gos98]. Z [HL10]. $Z2$ [GK16]. $Z[x]$ [SO09, Zwi84]. Z_4 [MMSY15]. $Z_4[x]/\langle x^2 - 2x\rangle$ [MMSY15].

-adic [Mor99, RZ20, Yun74, Vol95, WGD82]. **-adically** [Tro82]. **-Algebraic** [Tab23]. **-ary** [Mur00]. **-calculus** [Fla88]. **-characteristic** [MW18]. **-D** [WL08]. **-deformed** [CDM15]. **-difference** [Ghe10]. **-equivariant** [GK16]. **-graded** [HL10]. **-Gröbner** [LLG08]. **-groups** [NO91, Sla91]. **-ideal** [Tsa00]. **-integral** [Zim97]. **-invariants** [She10]. **-LLL** [NS18a]. **-modular** [Gol91]. **-modules** [Rue05]. **-orbit** [HMMR22]. **-out-of-** [POdCW19]. **-polynomials** [GR08]. **-prefix** [KH81]. **-problem** [Sun73]. **-simple** [Bar15]. **-split** [Sha15b]. **-stuffle** [BDM13]. **-th** [Vol95, Zwi84]. **-theory** [STC22]. **-type** [vHI14]. **-Weierstrass** [Sho15]. **-WZ** [CX08].

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'05 [Kau05].

1 [CMR74, Ver75]. **1.0** [GPS97]. **10th** [Ano08a, Mad92]. **130** [LM08]. **14** [Ano01a, MP10]. **14-15** [Sit06]. **17** [ECTB+14, MP12, Pos13]. **1968** [Col69]. **1969** [Mos70b]. **1974** [Jen74a]. **1978** [Gak79, Wan78d]. **1979** [Ng79]. **1981** [Wan81]. **1992** [Mad92]. **1994** [Hon94]. **1998** [LR98]. **1999** [Lin98a, Lin98b, RL98, WRL99]. **1st** [Gro95a].

2 [KP97, Lan86, Loo72b, MF83, Rod84]. **2-8849-113-9** [Qui97]. **2-8849-114-7** [Qui97]. **2-distribution** [Edo08]. **2000** [Ano99c, Ano99e, Ano99d, Ano99b, Ano99g]. **'2002** [Ano01b, Ano01c, BBS+02, Buc03, Dav03, Gim03, Sch02, Sit02b]. **2005** [Ajw05]. **2006** [Tra06]. **2008** [Ano08a]. **2009** [Hea09]. **2010** [Ano10a, Ano10d, Ano10g, Ano10f]. **2011** [Fit12, JCMG11b, KZ11, May11]. **2012** [Ano12, KRR12, SS12b]. **2013** [Kal13, Roc13]. **2014** [Ano14a]. **2015** [Ano13a, IS16, Kal15, LW16]. **2017** [Ano17a, Lic17]. **2019** [Mon20, YFJS19]. **21st** [DMP+02, tW99]. **22nd** [AB21]. **23rd** [DMP+02].

3 [GVR04]. **3-540-67733-X** [GVR04]. **360** [Jen79a, Kal82a]. **370** [Whi78].

4 [DP15]. **40th** [Eng15]. **4th** [Ano99b].

5 [AB15]. **5.2.2** [AB17].

60th [RVMH11]. **6th** [Ano99f, Mor89].

70th [Ano99a, Ano99i]. **73** [Bah77]. **'74** [Jen74a]. **'76** [Jen76]. **78** [Loo77c]. **'79** [Ng79]. **7th** [Cha90].

80 [Sho82, Sto80]. **80th** [KZ11]. **'81** [Wan81]. **'83** [Ano82a]. **85** [Zas84]. **'86** [Cha86]. **'88** [Gia88, Gia89]. **'89** [Gon89, ISS89]. **8th** [Cha91, Kot02].

'90 [WN90]. **'91** [Wat91]. **'92** [Wan92, Sto98]. **'94** [ACM94, Hon94, ISS94, Nod96a]. **'95** [Lev95, Ano95b]. **'96** [Ano95d, CL96, Lak96, Ano95c, Ano95f, DL96, Emi96, Hon96a]. **'97** [Cha96a, Hon96c, Tec98, Sto98, Cha96b, Enc97a, Enc97b, Hon96b, Wes96]. **978** [DP15]. **978-981-270-942-4** [DP15]. **'98** [LR98, Wei97, CW98]. **981-270-942-8** [DP15]. **'99** [Ano98, HKS99, Jef98b, Kal98, RL98, Zim98a, Zim98b, Ber99b].

A&M [Sch02]. **A-hypergeometric** [CDS99]. **A.** [LeS70]. **AAECC**

[Mor89, Ano01a, Mio88]. **AAECC-14** [Ano01a]. **AAECC-6** [Mor89]. **Abel** [CTKR99]. **abelian** [Lab15b, WSW13, GGSR99]. **Abell** [Cor96a]. **abnormal** [Joh75]. **Abramov** [CHL14]. **Abramowitz** [CDJW00]. **Absolute** [CEGW08, BCG09, Cap86a, Sto76, Sut18]. **absolute-value** [Sto76]. **Abstract** [Bar10a, BCD+23, Bul10, CvHL10a, FvH10, Fon08, GRT10, Ley10, Man10, Mat10, MJF+10, Rad10, Sau10, WB83, YS10, vH10, AsW08, Alm11, AP08, AM08, Ben08b, BM08, Bur08, BP20, CX08, DK98, DSJL08, Doe08, Ebe08, Edo08, Elk08, GR08, GZ08, GMGE08, HL08, Ibá08, Ili08, Iwa08, Jai08, Jon08, JM08, Kel08, LW08, LM08, Lew08, LLG08, MGR+08, MS08, Nov08, Pet08, Pri08, Pud08, QH08, Ril08, RG08, RZ20, Sch08a, Sed08, SY22, SCWL08, Tha08, Thi08, Tsi08, VJ08, WL08, Wat08, Wis84, Wol08b, Yas08, YK08, ZT08, Zel08, Zho08]. **abstraction** [Pur80]. **Abstracts** [AB84, Abd84, Ano82b, Ano95a, Ano00a, Ano00b, Ano00c, Ano00d, Ano10a, Ano10b, Ano10c, Ano14a, Ano17b, Ber99b, CCA20, CCA13a, CCA13b, CCA14a, CCA14b, CCA14c, CCA14d, CCA15, Enc97b, Gie08a, Gim03, HKS99, HP18, IS16, Joh10, Joh11a, Joh11b, Joh12a, Joh12b, Joh12c, Joh12d, Joh13b, Kak98, KZ11, LR98, Loo77b, Loo77d, Men16, Mon01, Nod96b, RVMH11, Rob01, Roc13, Sau81a, Sit06, Ter11, Tho09, Tun17, Wan78a, Wan78b, Wan79a, Zie15, Zim99, Zim00, edi21, Ajw05, Cap03, GKL07, Hit07, KV04, KZ06, May11, SS12b, Sit02b, SVZ06, Wan06a, Wan06b, Wan80c, Wan80b, Loo77c]. **ACA** [RL98, Hon96a, Kot02, Wes96]. **ACA'2000** [Ano99f]. **Academia** [Ano17c]. **Academic** [Aca20, sG06]. **Accelerating** [Zim18]. **acceleration** [Lew08]. **accepted** [Ano10d]. **access** [O'B91]. **accessible** [Mon21]. **According** [CDJW00, EZ23, Zim76]. **accuracy** [Sha05]. **Accurate** [JGB12, McN04, Nag04]. **accurately** [SK10]. **achieved** [SK00]. **ACM** [Gon89, Jen76, Wan81, Ano95f, Ano13b, Gie08b, Öre84, ISS89]. **ACM-SIGSAM** [Gon89, ISS89]. **across** [KPW06]. **action** [HK05, Lev15b, TK22]. **actions** [CC08, CG11, Gal15, HMMR22, Rue05]. **activities** [Mio88]. **activity** [Coo97]. **actual** [BCCR80]. **Adapted** [Met23]. **Adaptive** [Cel22, MBS15]. **Adding** [van86]. **Additive** [CG19, DGL19]. **adic** [Mor99, RZ20, WGD82, Yun74, Vol95]. **adically** [Tro82]. **ADIL** [Fat14]. **Admissible** [Kre88, Wei87]. **Advanced** [Kou09, dQ78]. **Affine** [BM08]. **AG** [Joy05a]. **against** [LM08]. **aged** [DP16]. **AI** [Gle92]. **aided** [Emi15, Lou84, Thi00a]. **Aldes** [Bun83]. **Alexandros** [Ano14a]. **Alexandros-Stavros** [Ano14a]. **ALG** [Kli74]. **Algebra** [ARS+19, AB21, ABR+23, Ajw05, Ano95a, Ano95c, Ano99a, Ano99f, Ano99h, Ano99i, Ano99j, Ano00a, Ano00b, Ano00c, Ano00d, Ano01a, Ano01c, Ano10a, Ano14a, Asl96, Buc02, CCR00, CGG+04, CCM+14, Coo97, DMP+02, Fèv98, GVR04, GPS97, HKS99, IS16, Kak98, Kal98, Kot02, KP97, sL17, Lic17, Lin98a, Lin98b, Lob97, May11, Mon01, Mor89, Ost99, Rec97, Rei02, RL98, Rob01, Roc13, Sau81b, Sen90, SS12b, SB97, Sit02a, SVV95, SJ05, SW97, Ste06, TO97, WRL99, dR90, Abb04, ABCR07, Abd84, ACS92, AS16, ARS+21, Akr80a, Akr80b, Ano10b, Ano10c, Ano17b, Ayd15, BS15, Ban08, Bar02, Ber99b, BCLA82, BTL99, BDM13, CCA20, Cal84, CL87, Cas08, CCM+16, CL09, CM02, Coo04, CJ88, Cor99a, D'A15, DS97, Ebe16, CCA13a, CCA13b, CCA14a]. **algebra** [CCA14b, CCA14c, CCA14d, CCA15, Far15, FP89, Fat96, Fat15, FCB+22, FSH02, GL10, Gim03, GPS08, HSW89, Hoh88, HP18, JN04, Joh10, Joh11a, Joh11b, Joh12a, Joh12b, Joh12c, Joh12d, Joh13b, Joy08, Joy09b,

JČMG11a, KS94, KPR16, Kli74, Kog15, Kre88, LW16, Las84, LS03, LW99, Lew00, Loo74, Lou84, Mac89, Men16, Mid13, Min15, Moe78, Mon21, MR84, NP88, Nod96b, jYO20, Ovc14, Pag07, Pri08, Ric09, Roa08, RSSRV89, Sau10, Sha03, Sit06, Sit14, Sta10, Sto80, Sto84, Sto11, Sto13a, SS07, Suz09, Ter11, Tif15, Too15, Tri84a, Tun17, Wil84, Win84, Xue15, Zen08, Zie15, Zip84, di 82, edi21, Gro95a, Kre01, Qui97, Sit02b, Cor01b]. **Algebraic** [ACM94, ACF$^+$15, Ano95a, Ano95d, Ano98, Ano99c, Ano99e, Ano99d, Ano99g, Ano01a, BF74, Bro93, BKR23, Cal01, Cap03, Cha86, Cha96a, DN90, Doo99, Enc97a, Eng15, GK85, Giu01, Glo98a, Gon89, GPS97, Gut04, HHKR20, HV98, HEW$^+$14, HN19, Jef98b, Jen76, Kau05, Küc97, LR98, Lak96, Laz01, Lev95, Lin98a, Lin98b, Loo72a, Mon93b, Mor89, Mor02, Mou01, Neu69, NMS97, OS23, POdCW19, PH81, PS98, Rei00, ISS89, ISS94, SST$^+$97, Sen03, Tab23, Tam15, Thi00a, Thi00b, Thi08, Tra06, Tra00, Tsi08, Wan78c, Wan81, Wan92, WN90, Wat91, Wat05, dRSE23, ÁS99, Arn81, Bah71, BS74, BK04, Bib84, Bos84, BDE$^+$21, Bro03, Bro04, BCLA82, Bul10, Can69, CH85, CE77, CP78, CGL05, CM76, Col74, CRDMBR19, Ebn86, Ele15, Emi15, FR18, Fat81, Fat84]. **algebraic** [Fat15, FCW13, FGVC15, Fre15, GMM87, Gia88, Gia89, GJY78, Grö09, GMGE08, HHS20, Hei13, Her11, HMS10, Hod11, Ili08, Iwa08, Jen79b, Jua15, KS97, KYA08, Ke00, KSZ11, Kra83, Küc82, KKM15, Laz80, Lee10, Llo84, MK96, Man15b, Man11, Maz15, McI85, Med15, Mig77, Mio81, Mio84, Mor87, Neu80, Ng74, Ng79, Ngô11, Pag22, Pon87, Pon88b, Pon88a, Pre15a, RSS15, Rum77, SSS05, Sán17, Sar15, SI08, Sch99, SV99, Ser99, Sha03, SH09, She07, SLW15, Sun73, Tri11, Wan75, Wee74, Wei15, Wib15, Xia07, YA07, ZL13, Zim84b, Zim84a, dCW09, dT84, PH83]. **algebraically** [HW75, Ull06]. **algebras** [Bre05, CDM15, DM12, KiL16, Lau15, LS03, Lev15a, Poi15, Shi99, Stu10, ZZ15]. **ALGLIB** [SW85]. **Algorithm** [Abr00, Hea72b, Nat92, Sas22, Sek23, SY14, UW95, AMORH15, AW80, AM10a, AM10b, Bar15, BGG15, BGM10, Ber83, Bla14, Bro09, But85, CT19, CL82, CsL08, Dav82b, DX07, EGP11, EL01, Fuc08, Gal15, GZ08, GK85, Göb93, HJS13, HW75, HM13, HZ15, HMSP18, HNRS18, IKRT89, Iwa05, JMV09, JM22, Jon08, Kel15, Kem81, KM11, Loo72a, McG84, Mos69, Mur00, Nag21, NS18a, NS17, PM19, Pér99, Pop00, Ren82, Rou09, RSS15, Sal12, San18, SL10, Sao10, SS92, Sed13, SS93, Sun73, SS07, Tri84b, Via13, Wan77, Wan80a, WB83, WCF12, Yun74, Zho82, ZvH19, Zim03, Fat14]. **Algorithmic** [Col69, Koe93, HHS12, KPR16, KB78, KV04, Rad10, Shi99]. **algorithmically** [SY22]. **Algorithms** [Ano01a, Ano08a, Ber98b, Cor00, DM21, EJP$^+$01, FT13, Hei70, Hel15, KW97, Knu75, Lin98a, Lin98b, Mor89, Mor99, NTW97, PST97, SV93, Sta10, TMCP22, ZGA$^+$23, Zim84b, ACF$^+$15, BCG09, BCCR80, But92, CK04, CL09, Dav12, Ede13, ELME22, FSS15, FT15, GTLN18, GK88, Hod11, Kli78, Li15, Lin07, Man77, MY74, Mio84, Mon99, Nag17, NS18b, POdCW19, PW03, Pon88b, Raj80, Sak19, Sch91a, SB89, SLW15, Win84, Xie07, YS10, Yun73, Zim18, dCW09, dQ78, vH75, vdHL20]. **ALLTYPES** [Sch07, Sch08b]. **Almost** [DMSP10, JPRZ23, PR15]. **Almost-Commuting** [JPRZ23]. **alternative** [Fat15]. **ALTRAN** [BH72b, HJ74, Hal74, Hal75, Fel75b]. **Always** [Ree91, Ree92]. **ambiguous** [Kor77]. **American** [Ano01b, Bra98, Abd84, Gon88, Sit06]. **AMS** [Akr80a, Akr80b, Joy09a]. **Amsterdam** [Loo77c]. **ANALITIK** [HS74, Kor76]. **Analog** [BSB$^+$23]. **Analysis** [Ano99a, Ano99i, Ano00c, Ano00d, Ban08,

CC83, GK88, Rei02, Sch83, vH82, AP08, Arn81, Bel83, BZ12, Bun83, But92, DGK04, Ebe16, HJS13, HJS16, IOP21, IT12, Jeb18, Ke00, Lac92, Nag12, POdCW19, dCW09]. **Analytic** [Loo72b, Iwa05, Ksi15, Par15, Rag15, SSS+11]. **Analytical** [SV93, Rod84, Sta10]. **analytically** [Bar89, Pea84]. **Anatomy** [Dav79]. **Andrew** [Dec14]. **Andrews** [Ano99c, Ano99d, Tra00]. **Animation** [BKR23]. **Annihilating** [Mid13]. **annotated** [Pon87]. **Announcement** [Ano98, Ano99a, Ano99c, Ano99e, Ano99d, Ano99b, Ano99h, Ano99g, Ano99i, Ano01c, Cal01, Cha96a, Giu01, Kre01, CAB22]. **Announcements** [Ano01a, Lin98a, Lin98b, RL98, Zim98a, Zim98b, Ano09]. **Annual** [Cha90, Mad92, Cha91]. **anti** [Ben08a, CJS18]. **anti-derivatives** [Ben08a, CJS18]. **Antiquantization** [SS17]. **Antitranslator** [Kry84]. **ANTS** [KV04]. **any** [HW75]. **ApaTools** [Zen08]. **Apéry** [BB96]. **Apéry-like** [BB96]. **APL** [Hoh88]. **Apollonius** [TE05]. **appearing** [Wol08a]. **Application** [BSB+23, BC81, FG99, LPA15, Oku97, PH81, Sha05, Cas08, Fat15, Fel75a, FCW13, IOP21, Lem15, NP88, PDP00, Sao10, Wan91]. **Applications** [Ano99f, BMK98, DSJL08, Gro95a, KW97, Kot02, Mon01, Pon87, Rec97, RL98, Rob01, SI00, TO97, WRL99, tW99, BGLH+10, Ber99b, BW98b, BRRT08, CL11, Dur15, Gim03, HI93, How70, HMMR22, Kou09, Lud69, Ple69, Poh81, Spe08, SVZ06, Tec11, Tsi08, Wan80c, Zho15, Zhu15]. **Applied** [Ano95f, Ano01a, Fra80, Gon88, WSW13, Lin98a, Lin98b, Mor89]. **Applying** [CL09]. **approach** [Bar10b, BKSS10, Dim71, Ebe83, HN19, Kou09, MCP15, MBS15, Por09, Rad10, SIK05]. **approaches** [Col69, EV05, Xie07, ZKK11]. **Approximate** [BA21, BD14, CKW03, CS19, Nag08, Nag21, SST+97, SS97, SO09, SW06, Ste06, Fas06, KS97, Lee19, Nag12, Nag17, RSS15, Ter10, Ter13, Tri84b, UM12, Zen08]. **Approximation** [Pop97, Sak97, Sek23, CFRT20, EV05, Pop00, SS13]. **April** [HKS99, Sit06]. **Arb** [Joh13a]. **arbitrary** [Ben08a, Pur80]. **Archimedes** [Loo75, Loo77e]. **architectures** [Via13]. **archive** [Bee98]. **arctangent** [MM89]. **argument** [Row81]. **Arising** [Cor00, Bre05, Cam73, Raj80]. **Arithmetic** [CLZ23, KPS99, Mur14, Web90, Yan91, Joh13a, Joh74, JdM12, LTdD+10, LMRS08, LIJ20, Mat10, MBS15, PM07, Pur80, SE22]. **Arithmetics** [Stu23]. **arrangement** [FGVC15]. **art** [RSSU79, Zel08]. **article** [MBKP81]. **Articles** [Jef98a, Lob96]. **artificially** [CPS11]. **ary** [Mur00]. **ASCM** [Ano03]. **ASCM'2000** [Ano99b]. **Asian** [Ano99b, Ano03, tW99]. **Asir** [IS09, SS07]. **AskConstants** [Sto17]. **aspect** [Pre15a]. **aspects** [Kan76, MY74, Sta10]. **assessing** [HOPY19]. **assessment** [AsW08]. **associated** [APS15, GK16]. **Association** [Ano99f]. **associative** [BS15]. **Asymptotic** [SFG13, dQ77b, Sal91, dQ77a]. **asymptotically** [GK88]. **Asymptotics** [BFS23, FS97, Rai11]. **Atkinson** [But92]. **attack** [Duj08, Iwa08, LM08]. **Attempt** [Sas22]. **Attempts** [Sht77a]. **attraction** [Dem12]. **August** [Ano99c, Ano99d, BBS+02, Glo98a, Jen74a, Jen76, LR98, Sen03, Tra00, Wan81, WN90]. **Austria** [BW98b, Hon94, Ano99h]. **Austrian** [AF84]. **Author** [Loo77e]. **authoring** [LW08, Meu03]. **Automata** [Ada96]. **Automated** [CCR00, Gie08b, KRV21, Nai22, Pei87a]. **Automatic** [Arn81, Cam75, Cor00, De 99, EJP+01, MGR+08, Sto76, ABK+16, DS10a, DS10b, Gat85, HP67, LD11, Sal91, Ver74, vdR73]. **automatically** [Fat03b]. **automating** [CW72]. **Automation** [Zid23]. **Automorphisms** [Ksi15]. **Available**

[Bah77, Sau80]. **avoiding** [Pud08, Ren82, Zho82]. **award** [Kal13, Kal15, Ano17a, Gie08b]. **Axiom** [CGG+04, Dal02, Joy08, Pag07].

B [Bro03, Bro04]. **B.** [Abr03]. **back** [BDE+21]. **Background** [Abr98, Abr03, Abr09]. **Backward** [Nag12]. **Balanced** [MX09]. **ball** [Joh13a]. **Barcelona** [Mon01]. **Barker** [BKM07]. **Base** [Stu23, Iwa05]. **Based** [FH96, MZ97, AsW08, Alv00, Ba12, BS15, CL87, CMPS10, CK03, Ede13, EF15, ELME22, FCB+22, FIS16, GMRT+15, HKN10, IMC+22, Jen77, KS81, KD18, LW08, Li09, MCP15, MG15, Pea84, PW03, Sak19, San18, SLW15, Thi00b, Zho15, Zhu15, di 82]. **Bases** [Buc91, BW98a, GS95, GB97, GLGVTZ00, HNT14, Li92, Met23, Mon93b, Oku97, Sat97, Sch91b, Win97, Win98, BW98b, CC08, Cor96d, Dah12, DPFD15, FSS15, GK16, GHK18, GSGZ15, HRR19, HZ15, IS09, JS06, Lar19, Lev15a, LLG08, Mon99, MA08, MW18, Poh81, RZ11, Sal12, SK10, Sat00, Suz09, WW11, ZK11, Zha13, BB80, Buc76a, Ebe83, KB78]. **Basic** [CCM+14, Kot01, Mon99, CCM+16]. **Basis** [JPRZ23, McG04, NO23, Sas22, Buc76b, CLZ08, CS19, Ede13, EF15, ELME22, Fas06, FGVC15, GL13, IK20, Liu15, MC95, MSV08, Nag12, Ren15, Sak19, SI17, Sit89, Ste08, Ste00, SLW15, Tam15, Zho08, vdHL18]. **Bates** [Dec14]. **Bath** [Ano99e, Ano99g]. **Baxter** [GSGZ15]. **BC** [Doo99]. **BCH** [BSBC15]. **be** [CDJW00, Mos70a]. **Beamforming** [BSB+23]. **before** [KV19]. **Beijing** [Ano03, Kau05]. **Bell** [Whe87]. **benchmark** [MH85]. **benchmarking** [HL15]. **benchmarks** [MP16]. **Bendix** [WB83]. **bent** [Joy15]. **Bergman** [JT91]. **Berkeley** [Sch02, Vol98]. **Berkovich** [Ksi15]. **Bernd** [Sch02]. **Bernoulli** [Har00]. **Bernstein** [CS19]. **Bertini** [Dec14, Bat13]. **best** [Moe78]. **better** [GMGE08, Nag17].

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BK12, Bel83, BGG15, Ber99c, Bla14, Bro74, Bro03, Bro04, Cav75, ELME22, Ele15, Gen71, Gre15, HI93, HZ15, JGB12, JM22, Jua15, Kel15, KKM18, LM12, LMS12, LMF12, Man11, Mon11, Nab07, Rai11, RRSS20, Sal12, Sed08, Ste00, Sut17, Wan89, Zen04]. **concept** [Pri08, WS83]. **concise** [Sto17]. **Concurrent** [Wil92]. **Conditional** [NO23]. **conditioned** [Mai99]. **Conditioning** [Mon93b]. **conditions** [Par15]. **conduction** [Sha05]. **Conference** [ABR+23, Ano91a, Ano99f, Ano09, BW98b, GK20, Gro95a, Kot02, Mor89, Pad02, RL98, WRL99, tW99, AS16, ARS17, ARS+19, ARS+21, Loo77a, Wan79b, Gie08a]. **Conferences** [JK02, RVMH11]. **configurations** [Myl05]. **conflict** [TE05]. **Conformal** [JT91]. **Congress** [Ano84]. **congruences** [Ara15, Rad10]. **Congruent** [Zim84a]. **conics** [CFGVDT18, HM99]. **Conjectural** [Joy05a]. **conjecture** [BKG18]. **conjectures** [Com18, Tha08, ZT08]. **conjugacy** [BHMM13, JR91]. **conjugated** [Ber06]. **conjugates** [BvM06, Mig77]. **connected** [Kor77]. **Connectivity** [IP11, QH08]. **conservative** [NOT18]. **considerations** [Eng87, HKN10]. **constant** [FG03, Grö09, Grö10]. **constants** [CP78, Wan89]. **Constraint** [Sat97, BK04]. **constraints** [NDSM19, YA07]. **Construct** [Bar91]. **constructible** [CLM+08, Ull06]. **ConstructibleSetTools** [CML+08]. **Constructing** [FPS16, MGRR21, Roy91, Ayd15, GK85, Sha05]. **Construction** [BGG15, Gol06, SI00, CK03, De 99, DGG15, Ina05, KB78, Rag15, San18, SIK05, SI17, Ver74, Xam99]. **Constructions** [ZGA+23, Ara15]. **Constructive** [Ser99, RRRA03]. **containing** [CHJ14, JRH15]. **Content** [Dav00a, Koh00, MSP05]. **context** [Fri70, Var15]. **context-free** [Fri70]. **continuation** [Ley16, RSV02, Ver10, VY15]. **continued** [Mur09]. **continuing** [Lic15]. **continuity** [CJS18]. **continuous** [MCJ15]. **contraction** [Man15b]. **contributed** [Ano10a]. **Contributions** [RRRA03]. **control** [KS03]. **controversy** [Akr81]. **Convergence** [SI08]. **convergent** [Bar89]. **conversion** [Mio82, SS92]. **Converting** [Lan86]. **Convex** [AV99, Ost99, AHCDT15]. **convolution** [BH15, Ste08]. **convolutional** [MG15]. **cores** [MX09]. **Corner** [Cor96d, CJ96]. **correct** [KS16, NS18a]. **Correcting** [Ano01a, Lin98a, Lin98b, Mor89, DGG15, Ele15, Joy05b, MCP15, Xam99]. **Correction** [BK14, OVB15]. **corrective** [MS08]. **coset** [Atk81, Dim71]. **count** [Pud08]. **counter** [JP11]. **counter-examples** [JP11]. **Counting** [EZ23, LH15, Mur10]. **Course** [BW98a, Fit75, Jen75, Rec97, Akr80a, Akr80b, Hei13, Pea84]. **courses** [Bea15, GGdR+15]. **cover** [Mon11]. **Covers** [MBRD23]. **CP** [MF83]. **CP/M** [MF83]. **CQF** [Kop20]. **CRACK** [WB95, Wol05]. **Crandall** [Wol13]. **Created** [Ano82c]. **Creative** [CHL14, BCCL10, Zel08]. **crimes** [Sto12a]. **Criterion** [MSM23, Arr08, WB83]. **critical** [BFE20, ES19, Win84]. **critical-pair** [Win84]. **critical-pair/completion** [Win84]. **critique** [Can69]. **crossings** [Mad15a]. **crunchers** [Ste81]. **cryptanalysis** [Bul10, Tam15]. **cryptographic** [LMTV05]. **cryptography** [Dur15, KD18, MCP15, YDH+15]. **cryptosystem** [BS15, Iwa08, MG15]. **crystal** [Fel75a, JM98]. **crystallography** [LN76]. **CSL** [Tri00]. **CSL-hosted** [Tri00]. **CtCoq** [Gro99]. **CTP** [HKN10]. **CTP-based** [HKN10]. **cube** [KM87]. **cubic** [DM15]. **CUDA** [HLM+17]. **CUMODP** [HLM+17]. **current** [Pon88b, Pon88a]. **Curriculum** [Ano84, Tif15, Zel08]. **Curve** [HV98, AHCDT15]. **Curves** [Elk08, Zim97, AHM15, Arn81, Ba12, Bes15,

BSS15, BP18, Doe08, Ele15, FGVC15, GR08, Gut15, HMS10, Hod11, IP11, JSS03, KRTZ20, KLV03, Ksi15, LIJ20, Lub11, MSS18, Pag22, Qi20, Roq15, RSS15, SV99, Sha03, Sha15b, Sha15a, Sho15, Tra15, Wei15, YFJS19, Yas08]. **Cut** [Pat96]. **cuts** [ECTB+14, PBD10, RJ96]. **cycles** [Qi20]. **cyclic** [Ayd15, OVB15]. **cyclohexane** [Cou15]. **cyclotomic** [AM08, AM10b]. **Cylindrical** [BKR23, HEW+14, Lee10, dRSE23, BDE+21, Bro04, Col74, CJ18].

D [Ano13e, Ano17a, Buc03, Dec14, Mon20, GZ05b, Myl05, WL08]. **D-Branes**} [Buc03]. **D.** [BY02]. **D5** [DSM+05]. **DAE** [HC97]. **Daniel** [Dec14]. **Darboux** [She10, Tsa98]. **Data** [MP14, PH83, Bun83, FP89, FN73, KV19, MP12, Pur80, Too15, YS10]. **Database** [BI91b, SPA+99, BI91a]. **Day** [Ajw05, Ano99a, Ano99i, Ano00a, Ano00b, Ano00c, Ano00d, Ano01c, Ano10a, HKS99, Lic17, May11, SS12b, Coo97, Sit02b, Ano95c, Ano14a, Coo97, IS16, Kal98, Roc13, Sit02a]. **DD** [JP19]. **DD-finite** [JP19]. **Death** [DP16]. **debugging** [KR85b]. **Dec** [LW16]. **decay** [KA99]. **December** [Ano99b, Kot08, tW99, Col69]. **Deciding** [Wei00, PS15]. **Decker** [Hei13]. **decoding** [Bul10, CL11, Joy05a, Qui12, Xam99]. **Decomposable** [Sek23]. **Decomposing** [Pau15, Sch16]. **Decomposition** [BKR23, FG99, HEW+14, Wan98, dRSE23, BGLH+10, BDE+21, Bro04, Col74, DGL19, GZ05a, JM98, Lee10, NY03, Wan77, Wat08]. **decompositions** [Bla14, GZ08, Li09, MA08]. **Decoupling** [BNN14]. **Dedekind** [DMK19]. **Dedicated** [BBS+02, GL10]. **Deduction** [CCR00, SV93]. **Deductive** [BI91b, BI91a]. **deep** [LR22]. **Defect** [JP11]. **defined** [Gla91, Yas08]. **defining** [BMT99, Kat87, Liu15]. **definite** [AZ91, Bel83, CHJ14, Koe95, Lic11, Lic15, Zim03]. **definition** [Sha15a]. **deformed** [CDM15, SS17]. **Degree** [BH97, Kno97, Li92, BvzGG+01, DMCMM15, Gre15, HHKR20, NS17]. **degrees** [Sla91]. **DEMOCRACY** [Bar10a]. **Demonstration** [BG97, Sit02b, Sut17]. **demonstrations** [KRR12]. **demos** [Ano10a]. **Dempster** [Dav03]. **Denominator** [MS16b, Mur14, Mur09]. **dense** [MX09]. **depend** [Glo98b]. **dependence** [LWZ07]. **Derivation** [EJP+01]. **Derivative** [BC02]. **Derivatives** [Hv83, Ben08a, CJS18, Gol06, Kem81, Koe94, Pri08, Sas04]. **Descartes** [KM05]. **descent** [FvH10]. **descente** [Rec99]. **Description** [Cap86b, Fel75b, Whi78]. **descriptions** [Loo72a, O'B91]. **Design** [Hol92, MP14, Zid23, dR90, Emi15, Eng87, GMGE08, HKN10, Hel10, Jen77, Jen79a, CL96]. **designs** [KSZ11]. **Detecting** [Ghe14, RG08]. **Detection** [KU14, NO23, AHM15, CHS16]. **determinantal** [CFGVDT18, SS13]. **determinants** [US06]. **determine** [FSH02]. **Determined** [Cal01]. **Determining** [HM77, NS09, Gal15, dO99]. **Deterministic** [DPQ15]. **Dethroning** [Kel08]. **Developer** [CGG+04]. **Developing** [CHH+99]. **Development** [ABK+16, Gaw77, Lem15, Thi08]. **developments** [AP08, AD10, Ter11]. **DEWCAD** [BDE+21]. **diagnostic** [Fat99]. **diagonal** [VJ08]. **diagram** [GHK18]. **Diagrams** [Cal74]. **Dickson** [IK20]. **Dictionaries** [Dav00a]. **Dictionary** [Koh00]. **dies** [Ano16, MSV21, Sei20]. **Difference** [AB14, AP23, Ghe14, AKR20, BD15, CP12, CsL08, Gao15, Ghe10, GHL15, LOW08, Li15, Med15, OS16, PR15, Roq15, Sch08a, Wib15, ZZ15, Zha13, ZvH19]. **difference-algebraic** [Med15]. **Differences** [Ged99, KF99]. **Different** [Fat78, Kli74]. **Differential** [AB14, Ano95a, BBS+02, Bai02, Bar10b, Ber98b, Cal01, Cor96a, JPRZ23, KS15, Kog15, Poi15, Pre15a, PS98, Rue15, SB97,

Wil01, vHI14, AKR20, AvH19, AZ91, Arr15, Bar15, Ber06, BCLS11, BRRT08, Cha81, Cla69, DM15, FvH10, Fre15, Ghe10, GHL15, Goy21, Grö09, Grö10, Ili08, Jer15, KPR16, KRR10, LH15, Lem15, Lev15b, LOW08, LYG12, Li15, LMF12, Mad15b, Mai15, Mau16, Mid13, MBKP81, Ovc14, Pag22, Rag15, RSV02, RT88, Rue10, Sán17, SV10, Sch16, SW06, She07, Sit06, Sit14, Tsa98, Wol08a, ZZ15, Zha13, vHK12, vdR73]. **Differential-Algebraic** [PS98]. **Differentiation** [Fat14, Gol85, Cam73, CE77, EB70, Fat98, HHS12, Rag15, WS83, dQ78, vH75]. **Digital** [Hol92]. **dimension** [BGLGMM18, Dah12, FSH02, Lev15a, Lev15b, ZZ15]. **dimensional** [Ban08, CC08, FT12, GS95, GHK18]. **Dimensions** [Med15, SFH00, CsL18, JS06, Stu10, Zha13]. **Dimentional** [AP23]. **Dimick** [CGG+04, JCMG11b]. **diophantine** [MT15]. **Dirac** [IKRT89]. **Direct** [DN90, Kal93a, Zim14, Bar15, MS18]. **Director** [Coo93]. **discharge** [CJ18]. **discipline** [Ste06]. **DISCO** [CL96]. **DISCOVERER** [Xia07]. **Discovering** [Mat21]. **discovery** [KRV21]. **discrete** [AMORH15, Bet13, ES11, Hol04, HL08, Wol08a, Yas08]. **Discriminants** [McC97]. **discussion** [Bul10, Man10, McG84]. **diseases** [Ebe08]. **Disk** [van80, Gle86]. **dispatch** [GMC+21]. **displacement** [BJS06]. **Display** [FL91, KPW06]. **dissertations** [Ano10b, Ano10c, Ano17b, CCA20, CCA13a, CCA13b, CCA14a, CCA14b, CCA14c, CCA14d, CCA15, HP18, Joh10, Joh11a, Joh11b, Joh12a, Joh12b, Joh12c, Joh12d, Joh13b, Men16, Tun17, Zie15, edi21]. **Distance** [Sek23, GTLN18, Liu19]. **Distinct** [Kno97]. **distinguished** [Ano13b]. **Distributed** [Dir00, AsW08, Ber99c]. **Distribution** [Hol04, Edo08, LPA15]. **Divergences** [Cal74]. **diversity** [KPW06]. **Divided** [Ged99, KF99]. **Divisibility** [Wol08b, DX07, NS09]. **Division** [Abr00, KS92, FN75, MP10, Yun74]. **divisor** [BA21, Glo98b, HM13, LIJ20, MY74, Sed08]. **divisors** [Gen99]. **Dixon** [CK03, JM22, Lew08, LPA15]. **Dixon-based** [CK03]. **DMAS** [AsW08]. **DNA** [BGG15, MSP05]. **do** [Dav82c]. **doctoral** [Ano10b, Ano10c, Ano17b, CCA20, CCA13a, CCA13b, CCA14a, CCA14b, CCA14c, CCA14d, CCA15, HP18, Joh10, Joh11a, Joh11b, Joh12a, Joh12b, Joh12c, Joh12d, Joh13b, Men16, Tun17, Zie15, edi21]. **documents** [Meu03]. **Dodunekov** [Ano12]. **does** [CJ18]. **Doing** [BU93a, BU93b, Maz15]. **Domain** [Con90, Cap86a, SI08]. **Domains** [Sat97, DMK19, Tec11]. **Dongming** [Ano17c]. **Doron** [RVMH11]. **Double** [FN75, Tot15]. **doubly** [BDE+21]. **Douglas** [WRW17]. **Drexel** [Sen03]. **Drinfeld** [ACLM23]. **dsolve** [CJ18]. **Dual** [DM12, MMSY15, Ste08]. **Dubna** [AB21]. **Dynamic** [KR85b, Sor97, CWZ12, IT12]. **Dynamic-debugging** [KR85b]. **Dynamical** [Lab15a, JPP22]. **Dynamics** [Qui97, Ban08, Bur08, Too15].

EACA [Mon01, Rob01, Ber99b, Gim03]. **EACA-2000** [Mon01]. **EACA-2001** [Rob01]. **EACA-2002** [Gim03]. **EACA-99** [Ber99b]. **Early** [Ghe14]. **East** [Ano99i, Ano14a, Coo97, IS16, Kal98, Roc13, Ajw05, Ano95c, Ano99a, Ano00a, Ano00b, Ano01c, Ano10a, HKS99, Lic17, May11, SS12b, Sit02a, Sit02b]. **Eastern** [Sit06]. **easy** [TK22]. **EAT** [LPR99]. **ECC2K** [LM08]. **ECC2K-130** [LM08]. **ECCAD** [Ano95b, Ano95c, DL96, Hit07, Kal98, Sit02b]. **Edge** [Joy15]. **Edge-weighted** [Joy15]. **edited** [Dav03]. **Editing** [KO83, SCWL08, vdHGG+13]. **editor** [Hie75, Cet96, Cor96d, CJ96, Cor96f,

Cor96b, Cor96e, Cor97a, Cor97b, Cor98b, Cor98c, Cor98a, Cor99b, Dew00b, Gie99a, Gie99b, Gie99c, Gro95b, Jef03]. **editorial** [Fat73a]. **education** [Lic84, Mio84, Sto79, Sto84, Var15, Ano84]. **EEZ** [Wan80a]. **EEZ-GCD** [Wan80a]. **efectiva** [Ibá08]. **Effect** [NS18a]. **Effective** [Ano99e, Ano99g, Dou99, Jer15, MBRD23, KS97, Xam99]. **Effectively** [Tif15]. **Effects** [Ano84]. **efficiency** [Dav82a, SH09, Zas84, vdHLM+11]. **Efficient** [Bac97, CHS16, Ric09, Row81, Sal93, Sch94, Zho08, dCW09, AM10a, CGKZ05a, CGKZ05b, HW75, PS15, Sak19, Sal11, Wan77, WCF12]. **eigen** [Pan05]. **eigen-solving** [Pan05]. **eigenproblems** [Cor96d, Ste96]. **Eigenvalue** [SN97, CT16]. **eigenvalues** [Mor99]. **eighth** [Gim03]. **Eiichi** [Ida05]. **Eilenberg** [RRSS20]. **Einstein** [Sch88, NP88]. **elected** [Ano17c]. **Elections** [Wat97a]. **electric** [HYH15]. **electronic** [O'B91]. **elegant** [Ste81]. **Elementary** [CJ98, Cor00, Jeb18, JGB12, Zim84a]. **elements** [LWZ07, Zel08]. **Eleven** [Fat85b]. **eliminating** [WB83]. **Elimination** [Grö98, KW97, Arn10, BFE20, Col74, FIS16, HW75, Rue15, ZKK11]. **ellipse** [Kah75]. **Elliptic** [SVV95, Zim97, Jai08, Roq15, Yas08]. **embedded** [DRR18]. **embeddings** [BDD+18]. **Emerging** [Ano10d]. **empirical** [Mat10, Nag04]. **encoding** [GTLN18]. **encryption** [Küc87, Tam15]. **End** [Buc02]. **Endomorphisms** [Lau15]. **Energy** [Pop98]. **Eng** [Ano10e]. **Engine** [MZ97]. **engineering** [KS03, Sal12, Xie07, Zho07]. **England** [ACM94, ISS94]. **Enhance** [Sas22]. **enhanced** [Eng75]. **Enhancing** [SI17]. **enjoying** [HK08]. **ensure** [EGP11]. **entering** [SCWL08]. **Entries** [BK14, Fuc08]. **enumerate** [HM99]. **Enumerating** [VJ08]. **Enumeration** [EL01, Atk81, Dim71]. **enumerator** [JP15]. **enveloping** [DM12]. **Environment** [Ham14, HC97, CHH+99, Gro99, Mos70a]. **Environments** [CHJ+97, Arn87]. **epistasis** [IVV99]. **equality** [NDSM19]. **Equation** [Wil01, CFGVDT18, Cha81, GH08, HYH15, KYA08, LR22, RT88, Sha05, Wan16, vTG03]. **Equations** [BBS+02, Ber98b, Buc91, Cor96a, GK85, Ghe14, Izu14, KN98, Laz01, Mon93b, NTW97, PS98, Sch02, SB97, vHI14, AvH19, AZ91, ÁS99, Arr15, Bar10a, BMT99, BPS12, CvHL10b, CP12, Cla69, FvH10, FBOS88, Fat96, Gae99, GK84, Ghe10, GCG83, Grö09, Grö10, Ili08, Kat87, KS15, KKM15, Lab87, LH15, Laz80, Ley10, LBL20, LMF12, Loo72b, Mai15, Mai99, Mat21, MS16b, MT15, MBKP81, Mor87, Nat92, Rag15, Rim84, RZ20, Roq15, Sán15, Sch16, SH09, SS17, Ste10, Tri11, Wol08a, YFJS19, Yun73, vHK12, vdR73, Bai02, Cal01]. **equilibria** [CG11, Tot15]. **equivalents** [Mio82]. **equivariant** [GK16]. **Erick** [sL17]. **Erratum** [Ree92]. **Error** [Ano01a, BK14, Lin98a, Lin98b, MCP15, Mor89, DGG15, Ele15, Hol04, Joy05b, Nag12, OVB15, Pop00, Xam99]. **Error-Correcting** [Lin98a, Lin98b, Mor89, MCP15, DGG15, Joy05b, Xam99]. **Errors** [SS98]. **Escorial** [RL98]. **espectrales** [Ibá08]. **Essen** [Ano91a]. **essential** [Nor82]. **estimated** [Hol04]. **Estimating** [Dem12]. **Euclid** [Sas22]. **Euclidean** [Abr00]. **Eugeny** [Ano08b]. **Euler** [Hel15, Wan16]. **EUROCAL** [Ano82a, Zas84]. **Euroforum** [RL98]. **Europaea** [Ano17c]. **EUROSAM** [Ng79, Jen74a]. **EUROSAM'79** [Wan79b]. **Evaluation** [Har79, Pre15b, Bro09, CGKZ05a, CGKZ05b, Hir78, MW17, MM89, RJ96, Tob70]. **even** [Maz85, Sto80]. **Events** [JK02, Ano13c, Ano13d, Sta20]. **EVERYTHING** [Zei12]. **Exact** [KLV03, Ste10, Cas08, DDK+11, Hei70, JPP22, KS16, MBS15, SS09, Sau10]. **examination** [Nei71]. **Examples**

[Gon88, Koe93, Sal91, WL99, Ebn86, JP11, WBD12, Zim97]. **excerpts** [Fat76]. **exchange** [ADS96]. **Exchanging** [BG97]. **Executing** [KO83]. **Execution** [SHS96, Fat99, PH83]. **Executive** [Wat97a]. **exercise** [Pur80]. **expanding** [Myl05]. **expansion** [Iwa05, Mur10, Sto08]. **Expansions** [dQ77b, BG90, Sal91, SI08, Vor80, dQ77a]. **Experience** [Gen74, Sho82, Oll84]. **Experiment** [Web90, BK04]. **experimental** [HKN10]. **Experimentation** [SJ05]. **Experiments** [AF84, AW80]. **Expert** [dR90]. **explanatory** [Lic84]. **explicit** [Bro09, TK22, Wil84]. **Exploiting** [LBL20, NDSM19]. **exploration** [Thi00b]. **Explorer** [CHH+99]. **exponent** [Duj08, FGHR12]. **Exponential** [BCD+23, BDE+21, CP78, Heb15, RC76, Wei00]. **Exponents** [CL15]. **Expression** [vH82, Zho07]. **expressionals** [MP16]. **Expressions** [BG97, BKR23, SV93, Web96, Bro74, Cam88, CPS11, EB70, Fat72b, Hal74, IMC+22, KH81, Kor77]. **ExQRGCD** [NM13]. **Extended** [BCD+23, KO83, PST97, SY22, BP20, Fla88, Ina05, IOS06, JP15, Mur00, RZ20, San18, SIK05, SI17, Wis84]. **Extending** [DGG15, JMV09, Ebe16, KSZ11]. **Extensible** [Wil01]. **Extension** [Iwa05, Cap86b, EVM21, WS83]. **Extensions** [Gla91, ÜHK82, DGL19, GGSR99, GR99, Lev15b]. **Exterior** [Sch82]. **EZ** [San18]. **EZ-GCD** [San18]. **Ezcaray** [Rob01].

F5 [Arr08, EGP11]. **facial** [WRW17]. **Facilities** [Hv83, vHvH87]. **facility** [BGJ70, Gat85, Gre72]. **Factor** [OS23]. **Factored** [Hal74, Bro74]. **Factoring** [BvzGG+01, CM22, MJ14, Nov08, NvH08, Pag22, WR73, Wan75, Wan76a, CEGW08, GHL15, Jef10, Tro82, ZvH19, vH10]. **factorisation** [ABD85]. **Factorization** [Ber98b, Ber06, CJ97, HL10, Ina05, Len84, Mig80a, Mon93a, Tsa98, WL08, Zim76, BCG09, BDM13, DMK19, Goy21, Iwa05, Kal82b, Len81, MG89, NW83, SO09, Sch94, SW06, Tho09, vzG92]. **Factorizations** [Kno97, Sut18]. **factorize** [WCF12]. **Factors** [McC97, Gre15, HJS16, IOS06, LW94a, LW94b, Mig87, PM19]. **Faculty** [Ano08b]. **Faithful** [BKR23]. **Fake** [KU14]. **Families** [CMT14, DM12, Koe94, Lub11]. **family** [HKS19, SC17]. **fan** [DSJL08, DMCMM15, OS06]. **fans** [Hub00, Rue05]. **Farewell** [Zei12]. **Fast** [BCLS11, Dav82a, FGHR12, IKRT89, MW17, Sed13, Xie07, ZvH19, vdHL18, AM10b, BFE20, GK88, HMSP18, Kem81, LMRS08]. **faster** [CM02, Fat03b]. **Fateman** [Gaw79]. **father** [SSS+11]. **Faugère** [EGP11]. **feasible** [CFRT20, LM08]. **features** [GMGE08, HS74]. **February** [BW98b]. **Feedback** [DR01, Thi08]. **Fenchel** [BvM06]. **Fermat** [Lew04, MP16]. **few** [Com18, JS06]. **Feynman** [BKSS10, Cal74]. **FFCSA** [ZGA+23]. **FFT** [CMPS10]. **FFT-based** [CMPS10]. **FFTs** [MJF+10]. **FGLM** [HNRS18]. **Fibonacci** [CC16, Kel08]. **fibrations** [MGRR21]. **Field** [Kno97, ZGA+23, Far04, Lev15b, PW03, RS89, Sha15a]. **Fields** [BD14, MQB98, OS23, Rei02, AV99, Bar10a, BDD+18, Col74, DM21, DPQ15, DRR18, Dem12, Ebe16, ES10b, GH08, Gut15, HW75, Huf15, JM10, NOT18, NY03, PR15, Ren15, RZ20, Sch08a, Ull06, Wan75]. **Fifth** [ABR+23, Ber99b, Mos74]. **Filters** [Hol92]. **Final** [Fat76, Pfe21]. **find** [Mig77, Mur09, Per15, TK22]. **Finding** [Lan93, WRW17, vHK12, DPQ15, EV05, KKM15, MS18, Pan05, Uga12]. **finds** [AZ91]. **Finite** [FG99, Kno97, Mon93b, RS89, Rue05, ZGA+23, Bar10a, BDD+18, Dav84, DPQ15, DRR18, Erö10, Fre15, Fri74, GH08, GK85, Gut15, Huf15, JM10, JP19, Kas80, Lab15b, MBKP81, NY03, PW03, PR15, Raa11,

Teo15]. **Finitely** [Abr98, Her98, MQB98, SFH00, BTL99, FSH02, Lev15a]. **First** [Ano99c, Ano99e, Ano99d, Ano99b, Cha96a, Bar15, Cla69, FG03, Hei13, MS18, MBKP81, Ngô11, Hon94]. **first-order** [Bar15, Ngô11]. **Fix** [Ste08]. **fixed** [Ben08b, EGK09, Hol04]. **FJCC** [Mos70b, Col69]. **Flajolet** [SSS+11]. **Fleshing** [MS16a]. **Flexible** [Bac97, Cou15, Meu03]. **FLINT** [GR16, DRR18]. **float** [KS81]. **Floating** [SS98, KS97, MBS15, SK10]. **Floating-point** [SS98, KS97, MBS15, SK10]. **floats** [Sto17]. **flow** [Bun83, LBL20, MC95]. **fluids** [Rim84]. **forgotten** [RRRA03]. **Form** [Con90, CMT14, FG99, CP12, Li15, MBKP81, Ull06, WRW17]. **FORMAC** [Bah69, Bah73a, Bah73b, Bah74, Bah75b, Bah77, Ber70, vH74, EB70, Lud69]. **Formal** [Hv83, Izu14, Koe93, Lob96, Mad15a, Ost99, Pei87b, Pra90, Wee74, Loo74, Mad15b]. **Formally** [Jef98a]. **FORMAT** [GJY75b]. **former** [Ano16]. **Forms** [DET23, Gor99, Bar15, Bou15, Buc76b, DM21, DJ96, LM12, Mid11, Pre15a, TMV18, Wei87, dO99]. **Formula** [BD14, dQ77b, Che83, Don83, Nei71, Oll84, ST02, Sch71, dQ77a, vdR73]. **formula-manipulation** [vdR73]. **Formulae** [BB96]. **Formulas** [Bar91, Gak79, Ged99, Alm11, Bar89, Ben08a, DD99, Gae99, SCWL08, TK22, Ull06]. **formulation** [Jen79b]. **FORTRAN** [Bah69, Ber70, Fat78, Fri70]. **forum** [Öre84]. **Fourier** [AS14, KS14, Akr81]. **fourth** [ARS+21]. **Fourther** [Coo97]. **FP** [Mur14]. **FPGA** [SL10]. **fpLLL** [EVM21]. **FPS** [TK22]. **Fraction** [MJ14, NTW97, Bar89, Mur09, Sto08]. **Fraction-Free** [MJ14, NTW97]. **fractional** [Sto13b]. **fractions** [Lem15, LOW08]. **frame** [FR18]. **framework** [Ber99c, KS13, KSZ11, LD11, Tec11]. **France** [Ng79, DMP+02, Mor02]. **Francisco** [Col69]. **Fraser** [Ano98, Ber98a, Doo99, Jef98b]. **Fredholm** [Loo72b]. **Free** [FG99, MJ14, NTW97, Fri70, Gal15, GMMCMMP22, Hea09, Mau16, Mio74]. **friendly** [BP18, HHM10]. **full** [SW06, Tam15]. **FUNARG** [Mos70a, San71]. **Function** [BB96, Piq90, Pop97, RJ96, Yan91, Cap86a, CHJ14, DM21, Din09, ES10b, LPA15, MS16a, MM89, Mos70a, Pig90, Piq89, Pop00, Ren82, SFG13, SFGZ14, Smi84b, Sto76, Zho82, Mos70a]. **Functional** [Izu14, Kri84, BPS12, Wat08, WS83]. **functionals** [Ste08]. **Functions** [Asl96, BH72a, FL91, Gak79, GLGVTZ00, Hea72c, MSM23, Pop98, Tab23, AKM16, BH15, BCCL10, Cam72, Cam88, CDS99, CsL09, CsL10, Gol85, Gor98, Heb15, JN04, JGB12, JP19, Joy15, Jua15, Kou13, Lac92, LZ05, Man15b, Maz85, MCJ15, Mos69, Ng74, PS15, Raa11, Rai11, RC76, SI08, SPA+99, Sta10, US06, VHC17, Wan13, Wan89, vdHL21]. **functorial** [Bar10b, Poi15]. **functors** [BRRT08]. **funding** [KO13]. **funtf** [FR18]. **Further** [AP08, Gaw77]. **future** [Bal84, Fat84, Hue84, Sun74, Zip84].

G [PT99]. **G-sets** [PT99]. **G.** [Hei13]. **G2** [BP18]. **G2V** [Sal12]. **Galerkin** [Mio74]. **Galois** [Arr15, Ber99a, Roq15, Sán15, Sut17, Sut18]. **game** [Tha08, ZT08]. **gamma** [Heb15, IKRT89]. **gamma-matrices** [IKRT89]. **GAP** [AY16, DGS16, ES10a, Joy09b, Lin07, pro12]. **Gathen** [Cor01b, Mon93a]. **Gauss** [Fee99, Fuc08, GM94]. **Gaussian** [LPA15, Sto09]. **Gaylord** [Ada96]. **GCD** [BK12, CLZ08, CS19, Hea72b, KI11, Mur00, Nag08, Nag17, Nag21, PST97, San18, SS97, Sed13, Ter10, Ter13, UM12, Wan80a]. **gcds** [vdHL21, Sas22]. **Gelfand** [ZZ15, Zha13]. **gene** [DSJL08]. **General** [BRRT08, Kor76, Coh74, GK84, GCG83, Kra83, Mac89, MJ13, MBKP81, Ngô11, Ore99, Tec11].

general-size [MJ13]. **Generalised** [Stu23, BFE20]. **generality** [Dav82a]. **generalization** [Wat05]. **Generalized** [Lev15a, MSM23, NMS97, GZ05b, GMMCMMP22, JP15, Lau15, Lev15b, MS16a, Rag15, SFG13, SFGZ14, WW11]. **Generated** [MQB98, BTL99, Lev15a, MJF+10, Tha08, ZT08]. **Generating** [Ged99, GTLN14, SVV95, Rai11, Wan13]. **generation** [GMRT+15, Gat85, Llo84, MJ13, SS17, YDH+15, dT84]. **generators** [Gra91, MG15, YK08]. **generic** [Lar19, LIJ20, vdHL18]. **Genetic** [PST97, GTLN18]. **Genoa** [Tra06]. **GENOM3CK** [HMS10]. **GENTRAN** [Gat85]. **Genus** [Doe08, Sha15b, Elk08, GR08, HMS10]. **GeoGebra** [ABK+16, KRV21]. **Geometric** [Fèv98, RSV02, Bar10b, HSW89, Man11, Nie84, Sut18]. **Geometry** [Ano99e, Ano99g, BU93a, BU93b, FT13, GPS97, MA08, PBD10, Rei02, SJ05, BZ12, CWZ12, DP15, FT15, Hei13, KLPW17, LW08, Maz15, Pec07, SSS05, Tsi08, Wol08a, Ano95a, BU93a, BU93b]. **GeometryEditor** [LW08]. **George** [Ano17d]. **GeoText** [CWZ12]. **Gerdt** [AB21, MSV21]. **Gerhard** [Cor01b]. **German** [LR98]. **Germany** [CL96, Glo98a, Kot08, Vol97c, Wat91]. **GF** [Gra91]. **Giesbrecht** [Ano13b]. **Gilbert** [LC19]. **Given** [Ste99, Gra05, Mur09, RC05, vTG03]. **Gjunter** [RRRA03]. **Global** [Bun83, DM21]. **GNU** [tW99, vdH04, vdHGG+13]. **Goals** [Eng87]. **GOEDEL** [Ebn86]. **Goes** [Bra98]. **Golden** [DR01]. **gonal** [Wei15]. **Good** [Moe99, Tra15]. **Gordon** [Qui97]. **Goto** [Ida05]. **GPGCD** [CT19, Ter10]. **GPU** [BGLM23, MP11]. **GPUs** [VY15]. **Graded** [PT99, CM15, HL10]. **gradient** [Ber70, Tob70]. **Graduate** [Sit14]. **Graeffe** [vdHM20]. **GRAPES** [Emi20]. **graph** [Nie70]. **graphical** [Dim71, LS85]. **Graphing** [CJ98]. **graphs** [Jen15, JM98, Joy15, KH81, Roy91, Thi00a, Thi00b]. **Gravity** [TO97]. **gray** [DS15]. **greatest** [BA21, Gen99, Glo98b, HM13, MY74, Sed08]. **Greece** [Kot02]. **Greedy** [CK04, BGG15]. **Gregory** [Mio82]. **GRGEC** [TO97]. **Griesmer** [Fit12]. **Gröbner** [BW98b, Abr09, BB80, Buc91, Buc76a, BW98a, CC08, Cor96d, Dah12, DSJL08, DMCMM15, DPFD15, Ebe83, Ede13, EF15, ELME22, FSS15, FIS16, GS95, GHK18, GLGVTZ00, GSGZ15, HRR19, HZ15, Hub00, IS09, JS06, KB78, LM12, Lar19, Lev15a, LLG08, Liu15, Man10, McG04, Mon93b, MC95, Mon99, Mon11, MA08, MW18, Nab07, Nag12, NO23, Oku97, RZ11, Sak19, Sal12, SK10, SI17, Sas22, Sat97, Sat00, Sch91b, Sit89, SLW15, Suz09, Tam15, WW11, Win97, Win98, ZK11, Zha13, vdHL18]. **Gröbner-bases** [BB80, Buc76a, Ebe83, KB78]. **Groebner** [Zho15, Zhu15]. **Group** [CC08, Fel77, LN76, ASP15, BHMM13, Ber99a, CR84, CG11, FB70, HK05, KM87, iL15, Lev15b, Man15b, O'B91, Pos13, Qi20, San91, Sao10]. **Groups** [BI91b, HNT14, KS14, RS91, Arr15, BI91a, But85, Gal15, GGSR99, Gla91, Gra91, JR91, Lab15b, Lin07, Med15, NO91, Öre84, Roq15, Sla91, Sut17, Sut18, Wib15]. **Guangzhou** [tW99]. **GUAVA** [Joy05b]. **guessing** [KV19]. **Guest** [Dew00b].

H [Dav03, Qui97]. **Hadamard** [Sch83]. **Hagenberg** [Hon94]. **Hagenberg/Linz** [Hon94]. **Hakki** [Mor10]. **Hamiltonian** [Man15b]. **Hamming** [GMMCMMP22, Sek23]. **handled** [Ber70]. **Hankel** [BK12, BA21, Sen90]. **Hans** [Ano99a, Ano99i]. **Hansen** [SVV95]. **happen** [vH74]. **hardcover** [Qui97]. **Hardware** [Zid23, Leg84]. **Harmonic** [DMH15]. **Hashing** [BP18, Pon87]. **Haskell** [VJ08]. **Hauenstein** [Dec14]. **Haven** [Jen75]. **Having** [AP23, Ghe10]. **Hawaii** [Küc97, Lin98a, Lin98b]. **hazards** [Lic15].

Heart [Ste96]. **heat** [Sha05]. **Height** [LW94a, LW94b]. **Heights** [Bes15, Jen76, Jai08]. **Help** [dR90]. **Hensel** [Ina05, IOS06, MY74, Mio82, OS06, PM19, Sal11, San18, SI00, SIK05, SI17]. **Hensel-type** [MY74]. **Herb** [KZ11]. **Herbert** [Zei12]. **Hermite** [BCCL10, Con90]. **Hermitian** [Edo08, EVM21]. **Hessian** [CHS16]. **Heun** [SS17]. **heuristic** [Bar10a]. **Heuristics** [HEW+14, Sao10]. **Hickory** [Pad02]. **High** [GMC+21, Web90, AF84, Dav82c, JS06, Li09, Lou84, PM07]. **high-level** [Dav82c]. **High-performance** [GMC+21, Li09]. **High-precision** [Web90]. **Higher** [Gak79, MS16b]. **Highly** [BNN14]. **Hilbert** [CM15, GLGVTZ00, Gor98, LT18]. **HIMMO** [GMRT+15]. **HISC** [Hec94]. **Historical** [Abr98, Abr03, Abr09, Tob70]. **history** [Fat73b]. **Hölder** [Wib15]. **Holonomic** [Kou13, Kou09, PS15]. **Homogeneous** [GLGVTZ00, Ghe10, Gor98, KM11, MG89]. **Homogenized** [FR18]. **homographic** [Myl05]. **Homologa** [Ibá08]. **Homology** [MBRD23, RS91, Dou99]. **homomorphic** [Tam15]. **Homotopies** [Kot01]. **homotopy** [Dem12, Ley16, Ver10, VY15]. **Honolulu** [Lin98a, Lin98b]. **honor** [KZ11, RVMH11]. **Honours** [Gie08b]. **Hopf** [BDM13]. **Horner** [CK04]. **Horospherical** [Man15b]. **hosted** [Tri00]. **HTML** [Soi97]. **http** [Rei02]. **hull** [AHCDT15]. **human** [KS94]. **Hurwitz** [DET23, KS15, Tre90]. **Hybrid** [KN97, KN98, KN00]. **hydrodynamic** [CJ88]. **hyper** [AM10a]. **hyper-regularity** [AM10a]. **hyperbolic** [Ben08a]. **hyperelliptic** [Bes15, GR08, Gut15, LIJ20, Sha15b]. **hyperexponential** [AZ91, LZ05, LWZ07]. **Hypergeometric** [CHL14, Le01, Wan13, CGKZ05a, CGKZ05b, MS18, OS16, TK22, Zei91, Zim18, CDS99]. **hypersurfaces** [ES19]. **Hypothesis** [MSM23].

idea [FN73, KS16]. **Ideal** [Abr98, Con90, GTLN14, Her98, APS15, BGM10, Gao15, GGSR99, LLG08, Liu15, MMNR15, Mon11, MA08, Per15, RRRA03, Tsa00]. **Ideals** [GS95, Li92, Wan98, BLH10, Buc76a, CC08, DMK19, FT12, GZ05a, GZ08, GGMAVT21, Hub00, IdC21, JS06, KM11, KB78, NY03, Rou09, Spe08, dCS99, vdHL18]. **idempotent** [Dur15]. **Idempotents** [GTLN14]. **Identifiability** [BCCR80, HOPY19, IOP21]. **identification** [Hir78, KI11]. **Identities** [BH97, CP88, HRR19, McI85, Zei91]. **identity** [GMRT+15, Qi22]. **identity-based** [GMRT+15]. **II** [Tha08, BH15, Lab15c, LW94b, Wan89, Zim00]. **III** [Dav82b]. **Iliopoulos** [Ano14a]. **ill** [Mai99, Ste06]. **ill-chosen** [Ste06]. **ill-conditioned** [Mai99]. **Illinois** [Pad02]. **IMACS** [Gro95a, RL98, Ano99f, Hon96a, WRL99]. **IMACS-ACA** [RL98, Hon96a]. **IMACS-ACA'2000** [Ano99f]. **image** [FCB+22]. **image-based** [FCB+22]. **images** [MMSY15]. **impact** [Man77]. **implement** [Sto11]. **Implementation** [BHMM13, EJP+01, FF82, IS09, NY03, Sch82, Smi84a, SS07, CL96, CMX10, Fri70, HS74, JP19, Koh10, Loo74, McG84, Raj80, SL10, Suz09, Whi78]. **implementations** [The10a]. **Implementing** [LM08, Thi08, Pur80, SLW15]. **Implications** [Wan76b]. **implicit** [CFGVDT18, FGVC15, YFJS19]. **Implicitization** [Ore99, EK12, JSS03, KLV03, Rue10]. **importance** [Grö10]. **important** [Ste06]. **improve** [HKS17]. **Improved** [CHL14, Hea72b, Jar12, KS14, LIJ20, Maz85, Iwa08, KB78]. **Improvement** [San18, But85]. **improvements** [Nam86]. **Improving** [Ede13, Tri84b]. **Incidence** [BU93a, BU93b]. **including** [Iwa05, Zel08].

inclusions [GK85]. **Incoming** [Gie99c]. **incomplete** [Heb15]. **Inconsistency** [GLS97]. **Incremental** [FCW13, Ede13, GZ08]. **Indefinite** [Zim14, Koe95, Lic11, Wan91, Zim18]. **independence** [CP78]. **indeterminateness** [Kem81]. **Index** [Ano82b, dCS99]. **Indexed** [Fel77]. **indices** [DMH15]. **induced** [HN19]. **inductive** [RZ11]. **Industrial** [BC81]. **Inequalities** [Mig87, Xue15]. **inexact** [NS09]. **infectious** [Ebe08]. **Infinite** [AP23, CX08]. **Infinite-Dimentional** [AP23]. **INformatics** [Ano01b]. **Information** [Coo93, Koh00, Pat96, ADS96, Arn10, HKS17, Dal01]. **Infrastructure** [Koh00]. **Infrastructures** [Fon08]. **Initial** [PS98, Sak97, Ili08]. **Initiative** [Bra98]. **innermost** [Sti83]. **Innovator** [Gie08b]. **INRIA** [Vol96, Vol97b, Vol97c]. **INRIA-Rocquencourt** [Vol97c]. **inscribed** [Mor10]. **Institute** [Jen74a, Rei02, Vol97c, Vol98, Sit06]. **instruction** [HLS84]. **integer** [JM18, Mig87, Mur00, Pfe21, SS92, Sed08, Tho09, YK08]. **integer-to-rational** [SS92]. **Integers** [Li92, Vol95, Cav75, Fit74b, Mig77, Nag08, Sed13, Sto09, WR73]. **integrability** [Tsa98]. **integrable** [CTKR99, Mad15a, WSW13]. **Integral** [KN97, KN98, LR22, Bar89, Dav79, Kal82b, Loo72b, SH09, Vas99, Zim97]. **Integrals** [Gak79, Piq90, AZ91, Bar03, BH15, Bel83, BKSS10, CHJ14, Grö09, Heb15, JRH15, KKM15, KKM18, MCJ15, Pig90, Raa15, Roa08]. **Integration** [Buc90, Dav84, Heb15, Kas80, KO83, Raa11, Sor97, Cam88, Col69, DDK+11, Fat15, IMC+22, JRH15, Jua15, Kan76, Koh10, Lab15c, Lem15, Lic11, Lic15, MBKP81, Mos69, Ng74, Piq89, Ren82, SS83, Zho82, Zim03]. **integrator** [Hel10]. **integro** [BRRT08, KRR10, Mid13]. **integro-differential** [BRRT08, KRR10, Mid13]. **intelligent** [CWZ12]. **Intensive** [BW98a]. **interaction** [KS94, Kli74]. **Interactive** [Dir00, KO83, KR85a, Wri00, BGJ70, Fat73b, Jen70, LaP72, LW08, LS85, Oll84]. **interactively** [Kal82a]. **interdisciplinary** [Far04]. **interest** [Öre84]. **interesting** [Bah73a]. **Interface** [ASW89, CRDMBR19, LS85, Sto13a, vH84]. **interlaced** [TK22]. **intermediate** [AB19, vTG03]. **intermolecular** [Bre05]. **International** [ACM94, Aca20, Ano84, Ano95d, Ano99c, Ano99e, Ano99d, Ano99f, Ano99g, Ano99j, Ano08a, Bai02, Bro93, CL96, Cha96a, Doo99, Enc97a, Eng15, Gia88, Gia89, Glo98a, Gon89, Gro95a, Gut04, Hon94, Hon96c, Kau05, Kot02, Küc97, LR98, Lak96, Lev95, Mor89, Mor02, Mou01, Ng79, Pad02, Rei00, ISS89, ISS94, Sen03, Tra06, Tra00, Wan92, WN90, Wat91, Ano98, Cap03, Giu01, Jef98b]. **interplay** [MR84]. **Interpolation** [Car03, KU14, vdHL14, AGR13, Cel22, CsL08, CsL09, CsL18, IK20, JM10, JM22, KN00, KS19, MT15, NS17, NS18b, vdHL21]. **Intersection** [MQB98, Ba12, BGM10]. **INTERTWINED** [Zei12]. **Interval** [BMK98, Mur14, OS23, Abb14, KS16, Mur09, NS18a]. **Interval-Symbol** [OS23, KS16, NS18a]. **Intrinsic** [CGL05, DMK19]. **Introducing** [Cal84]. **Introduction** [GM94, Smi74, Ebn86, Pea84, SS68, Zel08, Wan78c]. **invariant** [Göb93, HJS16, Kog15, Liu19]. **Invariants** [Gor99, SV10, Bar99, HK05, Kog15, Lab15a, Lab15b, Sar15, SW06, She10, Thi00a, Thi00b]. **Inverse** [NMS97, Ben08a, Cla89, Grö10, Pop00]. **inverses** [IMSS08]. **Inversion** [SY14]. **invertible** [Jef10]. **Inverting** [MV11]. **Investigating** [Too15, WB95]. **Investigation** [Pop97, CHH+99, MBKP81, Win84]. **Invited** [Ano00a, Ano00c, Ano00d, HKS99, Ano10a, Wan78d]. **Involutive** [GS95, GB97, Ger98]. **involving**

[Cam76, Cam88, Fri74]. **Irreducible** [BKM07, GZ05a, Gae99, GZ08]. **ISAAC** [Gut04]. **ISBN** [DP15, GVR04, Qui97]. **ISBN-10** [DP15]. **ISBN-13** [DP15]. **Isn't** [CJ92]. **Isogeny** [KD18]. **Isogeny-based** [KD18]. **Isolated** [SS11]. **Isolation** [DK98, Akr78, CMX10, Rum77, Tsi16]. **ISOLDE** [BPS12]. **isomorphism** [Teo15]. **isomorphisms** [BDD+18]. **Isotopy** [BCD+23]. **ISSAC** [Gia89, Gon89, LR98, Wan92, ACM94, Ano95d, Ano98, Ano99c, Ano99d, Ano13a, Cha96a, Cha96b, Coo96a, Doo99, Enc97a, Enc97b, Gia88, GKL07, Glo98a, Jef98b, Kal96, Kau05, KRR12, Küc97, Lak96, Lev95, Tec98, Mor02, Mou01, Lak98, ISS89, ISS94, Sen03, Sto98, Tra00, Tro97, Wan06a, Wan06b, WN90, Wat91, Wei97, YFJS19, Zim98a, Zim98b, Dal01]. **ISSAC'2001** [Rei00]. **ISSAC'93** [Bro93]. **ISSAC'98** [Tsa98]. **ISSAC'99** [Zim99, Zim00]. **Issue** [Ano10g, Ano10f, Dew00b, KW97, Mon96, SB97, SW96, SW97]. **Issues** [Kat87, KS94, Lic11, Mio84]. **Italy** [Gia88, Gia89, Mor89, Tra06, Ano91b, GMM87]. **Iterated** [McC97, Koe94]. **Iteration** [Cor96c, SS13, WRW17]. **Iterative** [AHCDT15, Izu14, Sak97, Mau16, Pop00, Ter10]. **itsol** [Izu14].

J [Ano99a, Ano99i, Dec14]. **Jacobi** [CL82, SS93]. **Jacobian** [Pau15]. **Jacobians** [BSS15, Doe08, Sha15b]. **Jacques** [Sei20]. **James** [Fit12]. **January** [Hea09]. **Japan** [HI93, WN90]. **Japanese** [Kak98, Nod96b]. **JAVA** [CCR00, Ber99c]. **Jenks** [Ano17a, JCMG11b, Ano13e, CGG+04, CAB22, Kal13, Kal15, Mon20]. **Jerrard** [AJ03]. **Joachim** [Cor01b]. **Johnson** [Buc03, ASP15]. **Johnson-type** [ASP15]. **Joint** [Ano99a, Ano99i]. **JOME** [Dir00]. **Jonathan** [Dec14, Ano16]. **Jordan** [Bre05, FG99, Wib15]. **Journal** [KW97, SB97, SW97]. **Joux** [AMORH15]. **JSC** [SW96]. **Jügen** [Cor01b]. **Julia** [KD18]. **Julia/Nemo** [KD18]. **July** [ACM94, Ano98, Bro93, Cha86, Doo99, Gia88, Gia89, Gon89, Gut04, Jef98b, Kau05, Küc97, Lak96, Lev95, Mor89, Mor02, Mou01, Rei02, ISS89, ISS94, Tra06, Wat91, LW16]. **June** [Ano99e, Ano99f, Ano99g, Kot02, Mad92, Ng79, Pad02, RL98, Ano10g].

K3 [Elk08, Kel15]. **Kahan** [Lau77]. **Kalkbrener** [Kal93a]. **Kaltofen** [sL17]. **Kanellakis** [Gie08b]. **Kantorovich** [LS16]. **Karlsruhe** [CL96, Kot08]. **Kay** [Fri70]. **Keiper** [MSM23]. **Kenzo** [CRDMBR19, RRSS20]. **key** [BS15, Dur15, GMRT+15, Iwa08, Küc87]. **Khachian** [AW80, Raj80]. **Khachian-type** [AW80, Raj80]. **Kiang** [McC73, Sta74]. **Kiev** [Bro93]. **kind** [Loo72b]. **Kingdom** [Ano99e, Ano99g, ISS94, ACM94]. **Kirillov** [ZZ15, Zha13]. **Kloosterman** [Bro09]. **knot** [HMS10]. **know** [Sch75]. **knowledge** [CL87, Her11, Lee10]. **knowledge-based** [CL87]. **Knuth** [WB83]. **Knuth-Bendix** [WB83]. **Kolchin** [Ovc14, Sit14]. **Koszul** [Rou09]. **Kovacic** [UW95]. **Krandick** [Joh12e]. **Kreuzer** [GVR04]. **Kutta** [Cam73]. **KWIC** [Ano82b, Fel77]. **Kyoto** [Kak98, Nod96b].

L [Dal01]. **label** [APS15]. **laboratory** [Abb04, CW72, Eng87, Gra87, Mae87b]. **lacunary** [Gre15]. **Lacunaryx** [Gre15]. **Lagrange** [CLZ08, FGVC15]. **Lambert** [Din09, MS16a, MSM23, SFG13, SFGZ14]. **Language** [Fat90, Gle92, Kry84, Pra90, AD10, Dav82c, DS10a, DS10b, Ebn86, HS74, Jen74b, Jen79a, Kor76, LTdD+10, Nei71]. **languages** [Can69, HKN10, HI93, Hue84]. **Laplace** [Cla89, Nor80]. **Large** [Pfe21, Ban08, BJS06, EB70, Lew04, Wol05, Wol08a, Zho07]. **large-dimensional** [Ban08]. **larger** [Wan76a]. **laser** [KSS15]. **last** [SK00]. **LATIN** [Ano01b, Ano01b].

lattice [APS15, Poh81, Rou09]. **Lattices** [DRR18, Len81, ASP15, EVM21]. **Laurent** [Koe93, LYG12, TMCP22, Wat08, WSW13]. **Layer** [CLZ23]. **Lazard** [NDSM19, dRSE23]. **Lazutkin** [BBS+02]. **lazy** [MBS15]. **LCM** [CLZ08, Rou09]. **leading** [HJS16, Iwa05]. **leaking** [CJ18]. **Learn** [Buc90]. **Learning** [Ano93, Emi20, LR22]. **least** [EGK09]. **Lecture** [Sch02, Mon21]. **lectures** [Wan78d]. **left** [BCLS11]. **leftmost** [Sti83]. **Legacy** [Gao17]. **Legendre** [Fee99]. **Leipzig** [Las84]. **LEMA** [LTdD+10]. **length** [FN75, NO91, Poh81]. **Leningrad** [RRRA03]. **LeSchack** [LeS70]. **LET** [Sht77b]. **Letter** [Coo93, Ebe06, Gaw79]. **Letters** [Bee98]. **level** [Dav82c]. **Lexicographic** [Ree91, Ree92, Dah12, MW18]. **Li** [MSM23]. **Liapunov** [Wan89]. **libraries** [AKM16]. **Library** [BKR+91, FT13, MPW97, CML+08, CDL+11, EVM21, FT15, HLM+17, HMS10, JR91, JM17, Joh13a, LMX05, LMRS08, Maz15, MJ13, Mon21, PM07, Ric09, Qui12]. **LiDIA** [MPW97]. **Lie** [Poi15, GJ74, Mig77, Bar73, Gal15, Shi99]. **Lieb** [KiL16]. **Life** [Gao17, Bar02]. **lifting** [CL11, PM19, Sal11, Ste10]. **like** [Alm11, BB96, Fat87, LS16, SS13]. **likelihood** [LPA15]. **Lille** [Mor02]. **Limit** [Har79, AM16, Kem81]. **limited** [FT12]. **Limits** [VHC17, AKM16, Kau03]. **line** [Sed08]. **Linear** [AB14, AP23, Bak93, BK14, Ger98, Ghe10, Ghe14, GLS97, GS97, Lob97, MMSY15, NTW97, Rue10, SIK14, AKR20, AW80, Arr15, BK04, BPS12, Bar15, Ber06, BJS06, BCLS11, Bou15, Bul10, Cas08, CvHL10a, CvHL10b, CP12, CL09, Cla69, DMSP10, DMCMM15, Ebe16, FvH10, Far15, GMMCMMP22, GTLN18, Goy21, GK88, Grö09, Grö10, JdM12, LWZ07, Mad15b, MS16b, MS18, Pet08, Raj80, SE22, Sau10, Sch94, SW06, She07, Ste10, SLW15, Suz09, Tsa98, Vil98, Wei87, Wei00, WSW13]. **linear-exponential** [Wei00]. **Linearization** [SC17]. **linearizations** [FPS16]. **linearly** [HMSP18]. **linkages** [Kou16]. **linked** [Moe78]. **Links** [BKR+91]. **Linz** [BW98b, Hon94, Buc84, Vol96, Vol97b]. **Liouville** [Kas80]. **Liouvillian** [LMF12, Raa11]. **Lisp** [Fat14, Cam75, Fat78, FF82, Gre72, Hea69, Jen70, KS81, Mos70a, Nam86, Whi78, Fat90, FL91, FH96, Fat98, Fat03b, Kal82a, Lan86, MHGG80, MH85, Wil92, Yan91]. **LISP-based** [KS81, FH96]. **Lisp-Language** [Fat90]. **Lisp/360** [Kal82a]. **LISP/370** [Whi78]. **list** [Akr80a, CL11, Fat03b, LaP72, Moe78, NFIS69, Qui12, SS68, SVZ06]. **live** [HK08]. **LLL** [MSV08, NS18a]. **LLL-reduced** [MSV08]. **load** [MC95]. **Local** [DM15, SIK14, DS15, Sht77a]. **localize** [BLH10]. **LocalizeRingForHomalg** [BLH10]. **locus** [ELME22]. **logarithm** [Hol04, HL08, Yas08]. **logarithmic** [CP78, DGL19, Fat98, Jua15, Sán15]. **logarithms** [AMORH15]. **Logic** [Ano99k, Bak93, Bib84, DS97, Kan76]. **London** [Ano00a, Ano00b, Ano00c, Ano00d, Mou01, Rei02]. **long** [Ste81]. **look** [HL08]. **Loop** [RS91]. **Lorenzen** [Pra90]. **Lorenzo** [GVR04]. **low** [SS13]. **LSSS** [WSW13]. **LU** [Jef10, PW03]. **lubrication** [CJ88]. **Ludeman** [Ber70]. **Lüroth** [Jer15]. **LWE** [ACF+15]. **Lyon** [DMP+02]. **Lyons** [Sao10].

M [Ano16, RRRA03, Akr87, MF83]. **M.** [Dav03]. **M4RI** [SLW15]. **MA** [HI93]. **Macaulay** [DD99, Grö10, Lew08, Min04, Spe08]. **Macaulay2** [HJN+23, Lee19, Ley16]. **Machine** [Fat78, RSSRV89, SS83]. **MacMahon** [AP08]. **Macpherson** [Hel15]. **MACSYMA** [AW80, Cla89, Fat72a, FMW74, Fat87, Fit73, Loo77a, Mos74, Raj80, SB89, Wan75, WS83, Zip75, Gol85, Tec98, RS89].

MACSYMA-like [Fat87]. **MAD** [Meu03]. **made** [Sau81b]. **Madrid** [RL98]. **Magma** [Kop20, Sut17]. **Mai** [Ano99b]. **main** [Sar15]. **man** [SS83]. **management** [Arn10, Dav03, Her11]. **Mandelbrot** [CC16]. **manifesto** [Sto13a]. **manipulating** [Wan91]. **Manipulation** [Ng79, Ste82, dQ77b, BS74, BF74, Che83, Don83, Fla88, Hir78, Jen79b, Nei71, Oll84, Pon87, Pon88b, Pon88a, Sch71, SW85, Smi84a, Tut73, Wan80c, Wan80b, dQ77a, vdR73, Wan78c]. **manipulations** [Mio81, RS89]. **manipulative** [LW08]. **Manual** [SvH81]. **Manuel** [Bro13]. **Many** [Abr98, Her98, Elk08, Fri74, Sed13]. **Maple** [Cha90, Cha91, Cor96a, Mad92, KRTZ20, LMX05, LMRS08, AZ91, Ano95e, BPS12, CGG83, CML$^+$08, CDL$^+$11, CM99, ECTB$^+$14, GK20, Gon88, Hel10, IOP21, Izu14, JT91, JM17, JM98, KRR10, KRR12, ME18, Min04, MP10, MP12, MP14, MP16, PM07, Pos13, SE22, Sal93, YA07, Zei91]. **MapleTech** [Mon96]. **mapping** [JT91]. **maps** [DS15, HL08, MMSY15, Wei15]. **Marc** [DP16]. **March** [Ano99h, Ano10f]. **Marichev** [Gak79]. **Mark** [Ano13b]. **Marko** [Pet23]. **Marseille** [Ng79]. **Martin** [GVR04]. **MAS** [KP97]. **massively** [Ber99c]. **Matching** [KN87, Fat15, McI85, RSSU79]. **MATCONT** [DGK04]. **Math** [Pad02, Lic84, Sto79]. **Mathemagix** [Lar19, vdHLM$^+$11]. **Mathematica** [Ada96, Fat90, KA99, Kou13, Nag07, Nai22, PDP00, Tro97]. **Mathematica-to-Lisp** [Fat90]. **Mathematical** [Ano84, Ano95e, BG97, Bor98, Gon88, Ham14, Her11, MP14, Sit06, Vol98, Wat98b, ADS96, CC72, Eng87, GGdR$^+$15, Gri76, Gro99, Hor15, How70, Joy09a, LN76, Mae87b, Meu03, Mio84, Pea84, SPA$^+$99, SCWL08, Sun74, Wan80c, Wan80b, Zas84, Kot08]. **mathematician** [RRRA03]. **Mathematics** [Ano99b, Ano99f, Ano03, Ano08b, BMK98, Buc02, Dir00, FH96, Gie08b, Soi97, Ste82, Wri00, tW99, AsW08, Arn87, BKKS05, BGJ70, FC99, FB70, Fra80, HK08, HLS84, Hue84, Ril08, Sho82, Ste81, Var15, Wan76b, Zel08, Zho07]. **MathLibre** [Ham14]. **MathML** [Pad02, Alv00, Car00, Pad02, Soi97, WL99, Wri00]. **Matlab** [DGK04, Zen04, ZL13]. **Matrices** [CMT14, Sen90, AB19, AM10a, BK12, BA21, CC16, DJ96, Fri74, Fuc08, Gen99, HKS19, IKRT89, JMV09, Jef10, LMTV05, LM16, MV11, Mid11, Rue15, SC17, Uga12, WL08, WRW17, WW11, Wis84]. **Matrix** [BGLM23, BD14, Con90, CJ97, EG96, Ste96, SY14, Ba12, CHS16, CL09, CT19, Cor96d, DIS10, Ebe16, HHM10, LM12, Lew04, MK96, Mor99, Pan05, SH09, YS10, YK08, dO99, Cap86b, De 99]. **matrix-vector** [HHM10]. **Matu** [SK16]. **Matu-tarow** [SK16]. **Maui** [Küc97]. **maxima** [Joy06]. **Maximal** [Lan93, SS12a, BLH10, JR91]. **maximization** [LPA15]. **maximum** [WRW17, Xue15]. **maximum/minimum** [Xue15]. **May** [Ano00a, Ano00b, Ano00c, Ano00d, DMP$^+$02, Sch02]. **McCrimmon** [BH97]. **McEliece** [MG15]. **MCR** [MZ97]. **MCR-Based** [MZ97]. **Means** [SVV95, BCCR80, Jen79b, vdR73]. **measure** [MS08]. **measurements** [BS74]. **mechanical** [Ban08, Sau81b]. **Mechanically** [Bar91]. **Mechanics** [Ano08b, BC81, GL10]. **Mechanization** [Aca20]. **Meeting** [Coo96a, Coo96b, Mon01, Lak98, Rob01, Abd84, Ano99a, Ano99i, Ber99b, Coo97, Gim03, Nod96b, Rei02, Wan78d, Kak98, Sit06]. **meets** [DS97]. **MEGA** [Ano99e, Ano99g, AD10]. **melding** [Tif15]. **Mellin** [BFS23]. **member** [Ano17c]. **Memorial** [Ano17a, JCMG11b, Mon20]. **Memoriam** [Ano08b, CGG$^+$04, Joh12e, Ano10e, Ida05]. **Memories** [SK16]. **Memory** [AB21, Fat03b, Web90, BBS$^+$02, CM02]. **merely** [Ste81]. **Mesh** [Cor00]. **Message**

[Ano14b, Ano14c, Bro17, Cet96, Cor96f, Cor96b, Cor96e, Cor97a, Cor97b, Cor98b, Cor98c, Cor98a, Cor99b, Cor01a, Cor02, Dew00b, Gie99a, Gie99b, Gie99c, Gro95b, Jef03, Kal93b, Kal95, Kot14a, Kot14b, Wat96, Wat97b, Cha97]. **META** [Jen70]. **META/LISP** [Jen70]. **Method** [BCL23, HM77, Lev15b, OS23, SN97, Akr78, Cam73, CX08, Fit74b, GH08, JT91, KS16, Koh10, KM05, LS16, Liu19, MS18, Mio74, Mur09, NS18a, Pei87a, Ren17, Rim84, SS09, Ter10, Tri84b, Tri11, Zim76, dO99, dRSE23, vdHM20, vTG03]. **methodology** [Var15]. **Methods** [AvH19, Ano99e, Ano99g, Ber98b, Kot08, NMS97, Bal84, BFR+18, Dem12, FCB+22, FSH02, KS03, KS19, Lic11, LMF12, Man11, McN04, She07, UM12, Xie07, vdR73]. **metric** [Jen15]. **metrics** [NP88, Sch88]. **MICA** [sL17, Gie08a]. **Michael** [Dal01]. **micro** [di 82]. **micro-computers** [di 82]. **middle** [AS14]. **Mignotte** [Akr87]. **Milestones** [sL17]. **million** [BvzGG+01]. **MIMD** [RSSRV89]. **minicomputers** [CM76]. **minima** [Poh81]. **Minimal** [GB97, Jai08, Le01, Lub11, Sha15a, Bla14, DHS04, HJS13, Mur09, NFIS69, Poh81, YK08]. **MiniMaple** [KS13]. **Minimax** [Cor00]. **Minimum** [GTLN18, Xue15]. **minisymposium** [CW98]. **Minsk** [Gak79]. **Minutes** [Coo96a, Coo96b]. **MIRA** [Gaw77]. **misdemeanors** [Sto12b]. **mixture** [LPA15]. **MKM** [Far04]. **MMICS** [Kot08]. **mmWave** [BSB+23]. **Mobile** [BKKS05]. **Modal** [BMK98]. **Mode** [PH81, AE83, CH85, Jen77, PH83]. **mode-based** [Jen77]. **Model** [DN90, Coo04]. **modeler** [HYH15]. **Modelling** [Ada96, LR22]. **Models** [Bur08, BCCR80, Cas08, IOP21, JPP22, Sha15a, Zas84]. **Modern** [Cor01b]. **modes** [KSS15]. **Modified** [Fuc08, AW80]. **Modifying** [EGP11]. **MODLISP** [DJ81]. **modpn** [LMRS08]. **Modula** [KP97]. **Modula-2** [KP97]. **Modular** [BGLM23, BD14, CLZ23, Hea72b, SHS96, CL09, Ebe83, Gol91, HLM+17, MJF+10, Pre15a, Xie07]. **modularity** [vdHLM+11]. **module** [RRSS20, Teo15]. **Modules** [ACLM23, CM99, Sor97, CML+08, Lev15a, Mau16, Rue05, Zha13]. **Moduli** [HJN+23, Qi20]. **Modulo** [Vol95, LOW08, MV11]. **molecular** [Bar89]. **moment** [WRW17]. **monic** [CM22]. **monodromy** [LBL20]. **Monomial** [Sch91b, BMT99, BGM99, BP20, D'A15, Fas06, GZ05a, GZ08, LLG08, Rou09]. **monomialideal.lib** [BGLG12]. **monomials** [KiL16, iL15, Mid13, Qi20]. **monoterm** [Liu19]. **monotone** [LLT18]. **monotonicity** [Joy15]. **Monsters** [EDS00]. **Monthly** [Gon88]. **Montréal** [Lev95]. **Moore** [RRSS20]. **mordor** [CJ18]. **Moscow** [Ano08b, AS16, ARS+19, ARS+21, ABR+23]. **Motion** [Kou16]. **Movers** [Dav86]. **moving** [BGJ11, Ste81]. **MP** [BG97]. **MPCR** [Bac97]. **MR** [Min04]. **MSSM** [HJN+23]. **Multi** [KSS15, Sch08a, DMH15, GHK18, MX09, MW17, POdCW19]. **multi-cores** [MX09]. **multi-dimensional** [GHK18]. **multi-indices** [DMH15]. **Multi-parameter** [KSS15]. **multi-point** [MW17]. **multi-state** [POdCW19]. **Multi-summation** [Sch08a]. **multicore** [CMX10, Via13]. **multidimensional** [Bos84]. **multinomial** [Qi22]. **multinomials** [Sto09]. **Multiple** [Asl96, Com18, DGL19, GRT10, GMC+21, Mat21, OVB15, Ter10, Ter13]. **Multiple-Valued** [Asl96]. **multiples** [BCLS11]. **Multiplication** [BGLM23, BD14, CMPS10, CM02, DIS10, Fat03a, Gen71, HHM10, Kli78, MX09, MJ13, MP10]. **multiplications** [HKS19]. **multiplicative** [HMMR22, Rag15]. **multiplicities** [Zen04]. **multiplying** [HKS19]. **Multiprocessors** [Web90]. **MultiRegeneration** [CRWZ20]. **multivalued** [JN04]. **Multivariable** [MMNR15, jYO20]. **Multivariate**

[KM19, KS92, SS98, Sto08, BSBC15, CK04, CsL08, CsL09, DD99, HM13, Ina05, Iwa05, Kal82b, KS19, Lev15b, MT15, NS17, NS18b, Pet08, Rai11, SI08, TMCP22, WR73, Wan75, Wan76a, Wat08, YDH+15]. **MuMath** [AF84]. **muMATH-80** [Sho82]. **Mumford** [BGM99]. **MuPAD** [HKM+97, Sor97, Thi08]. **muSIMP** [Sho82]. **muSIMP/muMATH** [Sho82]. **muSIMP/muMATH-80** [Sho82]. **My** [Fat84]. **MZVs** [CDM15].

N. [RRRA03]. **NAClab** [ZL13]. **NAG** [BKR+91]. **name** [Ste06]. **NaNs** [Fat99]. **NAOMI** [Bra98]. **national** [Abd84, Las84, Wan78d]. **natural** [Jeb18]. **natural-style** [Jeb18]. **Nature** [Ada96]. **Nauka** [Gak79]. **near** [Mig77]. **Nearest** [Sek23, Ste99, Gra05, RC05]. **nearring** [AY16]. **Need** [Sto07]. **needn't** [CDJW00]. **negative** [DMH15]. **negativity** [ME18]. **Neighbors** [EZ23]. **Nemo** [DRR18, KD18]. **Nemo/Flint** [DRR18]. **Nested** [BFS23, Raa15, Sht77a]. **NETFORM** [Smi74, SvH81]. **Network** [Man15a, DSJL08]. **networks** [Bin87b, BFR+18, EV05, Wan91]. **neural** [EV05, Wan91]. **newsletter** [Loo77d]. **Newton** [Jal99, LS16, NOT18, Pér99, Ren17, SN97, SS13, Tri84b]. **Newton-like** [SS13]. **NewtonSLRA** [Nag21]. **Nielsen** [Mac89]. **Nielson** [Dal01]. **Nikos** [Ano14a]. **NIL** [Pur80]. **nilpotency** [dCS99]. **Nishidate** [Ada96]. **No** [Lau77, Ghe10, RS75]. **Noda** [SK16]. **Noether** [BCL23, BGLGMM18, Jen15]. **Nominating** [Wat98a]. **nominations** [Ano13e]. **Non** [Hea72b, Lev10, Mau16, Sat97, BS15, Bal84, CM15, CM22, CMPS10, CPS11, Fat72b, Fri74, Gae99, GR08, Hei15, Jef10, JdM12, KKM15, Lab87, ME18, Moe99, Raa11, Rod84, SE22, Sht77a, Sto17, Stu10, WSW13]. **non-abelian** [WSW13]. **non-algebraic** [KKM15]. **non-associative** [BS15]. **Non-commutative** [Lev10, Hei15, Rod84, Stu10]. **non-commuting** [Lab87]. **non-floats** [Sto17]. **Non-free** [Mau16]. **non-hyperelliptic** [GR08]. **non-invertible** [Jef10]. **non-linear** [JdM12, SE22]. **non-Liouvillian** [Raa11]. **Non-Modular** [Hea72b]. **non-monic** [CM22]. **non-negativity** [ME18]. **non-numeric** [CPS11]. **Non-numerical** [Sat97, Bal84, Fri74]. **non-rational** [Fat72b]. **non-standard** [CM15]. **non-zeros** [Moe99]. **Nonassociative** [CP88]. **noncommutative** [HRR19, LT18, LS03, Lev15a]. **nondegenerate** [ELME22]. **nondimensional** [Hir78]. **Nonexistence** [Ghe14, Li92]. **Nonlinear** [Ber98b, Oku97, Qui97, JPP22, KKM18, Nat92, Rag15, Tsa98]. **nonnumerical** [FB70]. **Normal** [tW99, DI91, ES11, LM12, Mad15a, Mid11, TMV18]. **normalization** [Sto09]. **North** [Bra98]. **Note** [Abr00, GK84, Nor80, UW95, Akr78, Akr87, CE77, CP78, Fat98, Gra05, IK20, Joh75, MM89, MG89, NP88, Sch88, Sti83, Tob70]. **notes** [Fit75]. **notion** [BSBC15]. **Novel** [BSB+23, Cha81]. **novelties** [Bah75b]. **November** [Ano91a, Lin98a, Lin98b]. **NSF** [KO13]. **NTOW** [BS15]. **NUCLEOL** [NFIS69]. **nucleotide** [MSP05]. **Nullspace** [ES10b]. **Nullstellensätze** [KPS99]. **Number** [Abr00, EZ23, MPW97, Mon93b, OS23, Ano10g, Ano10f, CJ96, FCW13, Gle86, KS97, KV04, Mat10, Mur09, SS12a, Ste81, Tri84a, Wan75, Zim84b, Zim84a]. **Numbers** [Mur14, SS98, Sto07, Har00, Hir78, Hol04, MSS18, Nor79, Ren82, WGD82, Wee74, Zho82, Zim84a]. **Numeric** [Ano08a, BKR+91, LMF12, Rei02, SV93, SW97, CPS11, CsL09, Goy21, Hod11, IMC+22, NS17, RSV02, SVZ06, vH84, vdHLM+11]. **Numeric-symbolic** [LMF12, RSV02]. **Numerical**

[Ano99a, Ano99i, Ano00c, Ano00d, Bal84, BK14, Din09, EDS00, Ged99, MZ97, Mon93b, DGS16, DGK04, Fri74, Ili08, KS03, Ley10, MM89, Sat97, ZL13, vdHL20]. **Numerically** [Bat13, Dec14]. **numericalsgps** [DGS16]. **Numerics** [SFGZ14, GMC+21]. **Nyström** [Cam73].

O [Gak79]. **Objects** [MP14, Bet13, Nab07, Nie84]. **oblivious** [Sal12, YS10]. **obtain** [SS09]. **octahedra** [Cou15]. **October** [Ano99j, Ano03, HI93, Vol98]. **octonions** [BS15]. **odd** [DM21, Maz85]. **Odds** [BY02]. **ODE** [BP20, CTKR99, Cor93, Ged99, HC97, IOP21, Sch94, Wil84]. **ODE/DAE** [HC97]. **ODEs** [DGK04, FG03, HOPY19, Ngô11, WSW13]. **off** [Dav82a]. **Offsets** [CFGVDT18, SSS05]. **OGB** [McG04]. **OMDoc** [Koh00]. **OMEGA** [Xam99]. **One** [Sun73, BM15, BFE20, BvzGG+01, Coo97, CJ18, CsL18, vdHM20, Bra98]. **one-algorithm** [Sun73]. **one-block** [BFE20]. **one-time** [BM15]. **Online** [Bra98, McG04, SY14, SCWL08]. **only** [AsW08, Alm11, AP08, AM08, Bar10a, Ben08b, BM08, Bul10, Bur08, CvHL10a, CX08, DSJL08, Doe08, Ebe08, Edo08, Elk08, FvH10, Fon08, GR08, GZ08, GRT10, GMGE08, HL08, Ibá08, Ili08, Iwa08, Jai08, Jon08, JM08, Kel08, LW08, LM08, Lew08, Ley10, LLG08, Man10, Mat10, MGR+08, MS08, MJF+10, Nov08, Pet08, Pri08, Pud08, QH08, Rad10, Ril08, RG08, Sau10, Sch08a, Sed08, SCWL08, Tha08, Thi08, Tsi08, VJ08, WL08, Wat08, Wol08b, Yas08, YS10, YK08, ZT08, Zel08, Zho08, vH10]. **Ontario** [Ano99a, Ano99i, Ano00a, Ano00b, Ano00c, Ano00d, Mou01, Rei02, Cha86, Wat98b]. **Open** [Cor99a, Dal02, DMP+02, Joy08, Joy09b, JČMG11a, Gaw79, Joy09a, Lic11, Mio82, Pag07]. **OpenAxiom** [LD11]. **OpenMath** [Bra98, ADS96, Alv00, Car00, Dav00b, Dav00a, Dew00a, Dew00b, Koh00, PDP00, SK00, Tri00]. **Operations** [Tab23, DMSP10, MBS15]. **operator** [HRR19, Rag15]. **Operators** [AB14, AP23, JPRZ23, AB19, Ber06, BCLS11, BRRT08, CH85, GHL15, Goy21, GSGZ15, KRR10, LLT18, Pag22, SW06, She07, Tsa98, ZvH19]. **opportunities** [KO13]. **optics** [KSS15]. **Optimal** [BP20, Gen71, Pop00, SV99]. **Optimisation** [PH81]. **optimising** [Emi20]. **Optimization** [Bin87b, DIS10, Met23, HHKR20, HHS12, HP67, TJ03]. **Optimizer** [SvH81]. **optimizing** [CK04]. **Optimum** [OVB15]. **Option** [Kal82a]. **orbit** [HMMR22]. **Orbiter** [Bet13]. **orchestration** [The10b]. **Order** [Ree91, Ree92, vHI14, Arr15, Bar15, Ben08a, Cla69, DS15, DSS15, FG03, GL13, MGR+08, MS16b, MS18, MBKP81, Ngô11, Per15, Sán17, Sch16, Sha05, SW06, Zho08, Ree92]. **ordered** [AV99]. **Ordering** [HEW+14, FGHR12, Sit89]. **Orderings** [Sch91b, Kre88]. **orders** [Wei87]. **Ordinary** [Ber98b, JPRZ23, PS98, AKR20, BCLS11, Cha81, KRR12]. **ore** [CL09, Jar12, CG19, Glo98b, Jar15, KM19, LM12, Mid11]. **Oregon** [ISS89, Gon89]. **OREM** [BRRT08]. **oriented** [LW99, Lew00]. **Origami** [Ril08]. **orphan** [vH74]. **orthogonal** [Gra91, KSZ11, Pre15a]. **ORTOCARTAN** [Kra83]. **OSCAS** [Joy06]. **oscillations** [Raj80]. **other** [SS07]. **Outgoing** [Cor99b]. **outline** [Jen75]. **output** [Fat87, Ste10]. **outputs** [Sht77b]. **Over-Determined** [Cal01]. **Overcoming** [CM02]. **overdetermined** [Wol05]. **overlay** [Gre72]. **Overview** [Dew00a, Sar15]. **Oxford** [ACM94, ISS94].

P [Ano14a, tW99]. **P2P** [GMGE08]. **PA** [Sen03]. **Package** [BFS23, FL91, HJN+23, Izu14, Sch83, vH82, BPS12, Cap86a, Cap86b, DGS16, DGK04, FIS16, GJM09, Goy21, HSW89, JPBCL20,

JM98, Joy05b, KRTZ20, Koe95, Kop20, KRR10, LW95, ME18, Min04, Nab07, Nag07, Nor75b, Pos13, San91, SW85, Smi84a, Sto80, Tut73, Wol05, YFJS19, Zen04]. **packages** [NW83]. **PACLIB** [HS92]. **pads** [BM15]. **paging** [SS68]. **Painlevé** [SS17]. **pair/completion** [Win84]. **pairing** [BP18]. **pairing-friendly** [BP18]. **pairs** [BD15, MCP15]. **Pan** [EG96]. **panel** [Col69]. **Pankratiev** [Ano08b]. **paper** [Abr09, Akr80a, Akr87, Mac89]. **Papers** [Ano82a, Ano84, Ano99c, Ano99e, Ano99d, Ano99b, Ano99h, Ano99g, Ano99k, Ano01b, Cha96a, Jef98b, Abd84, Abr03, Ano10d, HKS99]. **paradigm** [BKG18, CsL18]. **Parallel** [DK98, Hon94, Hon96c, Pon88a, SHS96, Sal11, Sat00, pro12, Coo04, Dav82b, HM13, Mat10, MJ13, MW17, The10b, Sed13, Wis84, Xie07, HI93, Vol98]. **Parallelism** [HKM+97, Pon88b]. **parallelization** [LD11]. **Parameter** [GS97, SN97, Gle86, Glo98b, KSS15]. **parameterization** [Sch99]. **Parameterized** [Mai15, Arr15, Sar15]. **Parameters** [NO23, IMSS08, Sar15]. **Parametric** [BK14, CMT14, GS97, SIK14, BK04, Bul10, CM83, CJS18, FGVC15, GJM09, HOPY19, KRTZ20, Mon11, Nab07, Ore99, Man10]. **ParametricSystemTools** [CML+08]. **parametrizations** [D'A15]. **parametrize** [RSS15]. **Parametrized** [BKR23, Sán15]. **paraxial** [KSS15]. **parser** [Fri70]. **Parsing** [FC99]. **Part** [BU93a, BU93b, BH15, Jua15, Lab15c, LW94a, LW94b]. **partial** [Bar89, Gol06, SW06, She07, Sto08, Tsa98, vdR73]. **Participation** [Ano01c, Ano03, Ano99a, Ano99i]. **Partition** [BZ12, AP08, Lac92]. **Partitioning** [Fat15]. **partitions** [BM08, Cam76]. **Pascal** [di 82]. **PASCO** [Hon94, Hon96b, Hon96c]. **Passau** [Vol97c]. **Past** [Wat97b]. **patching** [Mai15]. **paths** [MCJ15]. **Pattern** [McI85, CHS16, Pud08]. **pattern-avoiding** [Pud08]. **Pavel** [DP15]. **PDEs** [Ger98, Tsa98]. **Pech** [DP15]. **Pedersen** [Mac89]. **pendulum** [Tot15]. **pentagon** [Mor10]. **perceived** [Ste81]. **perfect** [Ara15, RG08]. **performance** [CMPS10, GMC+21, Li09, Mac89, PM07]. **permutation** [But85, CM02, GTLN18, Joy05a]. **permutations** [JR91]. **persistent** [GHK18]. **Personalizable** [Ham14]. **perspective** [SSS05]. **perturbation** [Coh74, GL10, SS10, SS11, SS12a]. **perturbations** [Mae87a]. **perturbed** [Mad15b]. **PetaFLOPS** [Ree97]. **Petersburg** [Ano99f]. **Petkovsek** [CHL14, Pet23]. **Pfaffian** [Mad15a]. **Pfister** [Hei13]. **PGB** [Nab07]. **Ph.D.** [CC72, Win84]. **PHCpack** [Ver10]. **PhD** [Emi20]. **Philadelphia** [Sen03]. **Philippe** [SSS+11]. **Phrasebooks** [CCR00]. **physics** [Fel75a, FB70, SPA+99]. **Piano** [Dav86]. **Picard** [Hei15, Kel15]. **PICOMATH** [Sto80]. **PICOMATH-80** [Sto80]. **Piecewise** [BH15]. **Pioneer** [CGG+04]. **Pitsianis** [Ano14a]. **PL** [Bah71, Ber70, EB70, LaP72, Lud69]. **PL/I** [Bah71, Ber70, EB70, LaP72, Lud69]. **Plaintext** [BM15]. **planar** [JSS03, Kou16, NOT18]. **Plane** [HV98, AHCDT15, HMS10, Hod11, JPBCL20, Tra15]. **planning** [Cas08]. **platform** [vdHGG+13]. **Platforms** [DN90, GZ05b]. **PLDE** [Par15]. **PLMMS** [Ano10d]. **PLURAL** [LS03]. **Poincaré** [BTL99]. **Point** [SI00, Ben08b, ES19, KS97, MBS15, MW17, Poi15, SS98, SK10]. **Points** [HV98, AM16, Edo08, Elk08, EGK09, Fas06, FT12, HHS20, Hol04, JM18, JS06, Kem81, Sho15, Zim97]. **Poisson** [SASG99]. **Polar** [Bar99]. **poles** [Nor82]. **Polman** [Tut73]. **POLY** [MP12, MP14]. **polygon** [Ren17]. **Polyhedra** [Ost99, DDK+11, Jal99, JM17]. **polyhedral** [BZ12]. **polyhedron** [JM18]. **polylogarithm** [Mat21]. **polylogarithms** [DMH15]. **polymake** [KLPW17, JP11].

Polynomial [Abr98, AJ03, BNN14, BGLM23, BSB+23, Buc91, CCM+14, Dec14, EG96, FG03, Hea72b, Her98, KW97, Kal82b, Ley16, NTW97, Pan05, RT88, SS97, Sch02, Sek23, Ste96, Ste99, Uga12, Ver10, VY15, Wan98, vdHL14, Akr78, Bar10a, Bat13, BCG09, Bla14, BvzGG+01, Buc76a, BRRT08, Bul10, CP88, CDL+11, CCM+16, CLZ08, CL09, CMPS10, CK03, CRWZ20, CsL08, Dem12, DPFD15, ELME22, Fat03a, FCB+22, Gen99, Gen71, GJM09, Gle86, Glo98b, Gra05, GPS08, HLM+17, HJS13, Hei70, HL10, IK20, Jar12, Joh74, Joh75, Kli74, Kli78, KB78, Kot01, KLV03, Lab87, Lee19, LS03, LW99, Lew00, Lew04, Ley10, LLG08, LMRS08, Li09, LW94a, LW94b, Liu15, Man10, MMNR15, MGR+08, MX09, MP11, MJ13, MY74, MP10, MP12, Nag08, NOT18, NY03, PM07, PW03]. **polynomial** [RRRA03, RC05, Rim84, RG08, RZ20, Row81, ST02, Sas04, SS10, SS11, SS12a, SV99, Smi84b, Spe08, Ste08, Tec11, TMV18, Tut73, VHC17, WL08, Wol08a, Xie07, Yun73, Zen04, Zen08, vdHL18, vzG92, Bul10]. **polynomial-oriented** [LW99, Lew00]. **Polynomials** [Bak93, FL91, HNT14, Kno97, Li92, OS23, SW97, Tre90, AM08, AM10b, BK12, BA21, BKM07, Buc76b, BRRT08, CM15, CEGW08, CC16, CM22, CL15, CM83, DDK+11, EGK09, GR08, Glo98b, Gre15, GR16, HL10, HM13, Ina05, Jar12, Jar15, KM19, KS19, Kou16, LM12, LM16, Len81, Len84, Lev15a, Lev15b, LYG12, Liu19, Mai99, Man77, Man15a, Mid11, Mig80a, Mig80b, Mig87, Moe99, MW17, MG89, Nag04, NS09, Nov08, NvH08, NS17, NS18b, Pfe21, Pre15a, Rum77, SO09, SH09, Sut17, Ter10, Ter13, Tro82, Ver75, WR73, Wan75, Wan76a, Wat08, Whe87, WCF12, Zim76, vH10]. **polytopes** [AV99, JP11]. **Pommaret** [IdC21]. **population** [Bur08, Ebe08]. **PORT** [Kli74]. **PORT-ALG** [Kli74]. **portable** [Kli74]. **Portland** [Gon89, ISS89]. **Position** [Ber98a, Zas84]. **Positions** [Wat98b, Emi20]. **positive** [EGK09, Pag22]. **positivity** [PS15]. **possibilities** [GGdR+15]. **post** [YDH+15]. **post-quantum** [YDH+15]. **Poster** [Enc97b, LR98, Tsa98, Zim99, Zim00, Ajw05, Cap03, DK98, GKL07, Hit07, KV04, Sit02b, Wan06a, Wan06b]. **Posters** [Ano00b, Enc97a, Zim98a, Zim98b, Ano10a]. **Potential** [Pop98]. **Power** [HM77, Koe93, KS92, AKM16, Ben08a, Gen71, Gen74, Gla91, LBL20, Mor87, Nor75b, Pei87b, Zwi84]. **power-commutator** [Gla91]. **power-inverse** [Ben08a]. **Power-series** [KS92]. **powers** [Gae99, RG08, Sto13b]. **Practical** [EB70, Sch71]. **Practice** [SST+97, vdHL14, FS97]. **pre** [Hie75]. **pre-editor** [Hie75]. **precision** [FT12, Pur80, Web90]. **preconditioner** [Ebe16]. **preconditioning** [MG89]. **predicate** [Kan76]. **prediction** [EK12]. **Preface** [Gie08a]. **prefix** [KH81]. **Preliminary** [Ano98, Col74, RC76]. **present** [Bal84]. **Presentation** [Str74]. **presentations** [Gla91, JR91, YFJS19]. **Presented** [HKS99]. **preserving** [FPS16, MMSY15, SS12a]. **President** [Ano16]. **Press** [Buc03, Dav03, FBOS88]. **Pretty** [Hv83, vHvH87]. **pretty-print** [vHvH87]. **previous** [Mio88]. **primal** [WRW17]. **primality** [Nor79, Val20]. **primary** [MMR99]. **Prime** [Wan98, NY03]. **primitive** [RC76]. **Principal** [Con90, KN97, Gol91, HS74, MMNR15]. **principle** [DSM+05]. **principles** [Kot01]. **print** [vHvH87]. **Printing** [Hv83]. **Prize** [JCMG11b, Kal13, Kal15, Ano13e, Mon20, CAB22]. **Probabilistic** [BCG09, HJS13, HJS16]. **Problem** [BH72a, Bar73, Cam72, Cam73, CHJ+97, Cor00, Dav86, Fit74a, Har77, Hea72c, HC97, JG74, Kah75, Laz80, Loo75, McC73, Nor78, PST97, Rim84, SN97, WR79, van80, Bah75a,

BHMM13, Ber70, BCCR80, CHH+99, CMR74, CJ88, DX07, Fat73b, FMW74, Fat76, Fit74c, GCG83, GJ74, GJY75a, Hag77, HJ74, Hal75, Lau77, Loo77e, Mio82, MC95, Mos70a, Mur00, Nor75a, Par15, RS75, San71, Sch99, Sta74, SY22, Sun73, Teo15, Tut73, Yas08, Zip75]. **problem-solving** [Fat73b]. **Problems** [Buc91, FM97a, FM97b, Fit73, PS98, Sak97, SST+97, Ste99, van80, ACF+15, ÁS99, CC83, Cor99a, FB70, Gon88, Ili08, Jen79b, Kor77, KRR10, KRR12, LMTV05, Lew04, Mae87a, Mio74, Pea84, Rad10, RSSU79, SASG99, Shi99, Tec11, TJ03, WL08, Wei00, Xue15, Zho07, Tec98, Sto98]. **procedure** [PS15]. **Procedures** [Smi84b]. **Proceedings** [ACM94, Ano91a, Gia88, Glo98a, Kau05, Lak96, Lev95, Mor02, ISS89, ISS94, Sen03, Bro93, Doo99, Gut04, Jen76, Küc97, Mou01, Tra00, Wan79b, Wan81, WN90, Wat91, Cha86, Gon89, Jen74a, Mor89, Tra06, Wan92, CL96, Gia89, HI93]. **process** [AB19]. **Processing** [EJP+01, Emi20, Fat03b, LaP72, Nie70]. **processor** [NFIS69, SS68]. **processors** [Pon88a, Wis84, SASG99]. **Producing** [van80, Sht77b]. **product** [AS14, Arn10]. **Products** [AB14, MP14, CP12, Fri74, JM98, OS16, Sto13b]. **Professor** [AB21, Ano99a, Ano99i, Ida05, SK16]. **Program** [BG90, Har79, RL98, RS91, WR79, AZ91, Bah71, Bro03, CC72, Kra83, LW16, Lab87, Sed08, Wan89, Zei91]. **programmers** [Sch75]. **Programming** [Gle92, HS92, AW80, AD10, BK04, Cam75, Can69, CW72, Fat81, HKN10, Kan76, Kri84, Lin07, Pfe21, Raj80, Ric09, Sal93, Zel08, pro12]. **Programs** [PH81, WB95, Fat98, Fat03a, Gre72, HJ74, KS13, KR85b, Loo72a, Lud69, PH83]. **progress** [PST97]. **project** [BFR+18, BDE+21, Buc84, CT16]. **projecting** [Ull06]. **projection** [UM12]. **projects** [Far15, Mae87b]. **Proof** [BCL23, Kal93a, Wan16, AD10, BB80, Gor98]. **proofs** [Fat85b, Jeb18, Nai22, Tha08, ZT08]. **Properties** [Pop97, Buc76a, Grö09]. **property** [Win84]. **Proposal** [BU93a, BU93b, HSW89, KS97, Soi97, ÜHK82, Sto79, Sto84]. **proposed** [Akr80a, Akr80b, Neu80, San71]. **proposes** [Sto17]. **protocol** [ADS96, The10a]. **Prove** [Xue15]. **proves** [AZ91]. **Providing** [O'B91]. **Proving** [Fèv98, MA08, Pec07, Pei87a, Win84, Zei91, DP15]. **Provisional** [FF82]. **PRSs** [Sas22]. **Pseudo** [SHS96, MG15]. **Pseudo-Parallel** [SHS96]. **pseudo-random** [MG15]. **pseudovarieties** [CKW03]. **PSLQ** [FCW13]. **PTOPO** [KRTZ20]. **Public** [Küc87, BS15, Dur15, Iwa08]. **public-key** [Iwa08]. **Publication** [Bor98]. **publicly** [Mon21]. **Publishers** [Qui97]. **Puiseux** [BG90, Pér99]. **Puisieux** [Koe93]. **punctured** [MG15]. **pure** [GR99, Ver74]. **purpose** [vH75]. **pushing** [BDE+21]. **Puzzles** [FM97a, FM97b]. **PVM** [LW95].

QD [Sch83]. **QEPCAD** [Arn10, Bro03, Bro04]. **QRGCD** [NM13]. **Quadratic** [Abb14, DM21, SV10, YDH+15]. **quadratization** [BP20]. **quadrature** [Fee99]. **quadrics** [CFGVDT18]. **quadtrees** [Wis84]. **qualitative** [Lee10]. **Quantifier** [Col74, Arn10, BFE20, FIS16, HW75, ZKK11]. **quantization** [Por09]. **Quantum** [Dal01, Ele15, DGG15, Lau15, Roa08, YDH+15, KS14]. **quarter** [JPBCL20]. **Quasi** [IdC21, AM16, CM15, CDM15]. **quasi-componenets** [AM16]. **quasi-polynomials** [CM15]. **quasi-shuffle** [CDM15]. **Quasi-stable** [IdC21]. **quasilinear** [Sch16]. **quaternionic** [Liu15]. **queries** [IP11]. **query** [DX07]. **quest** [vdHLM+11]. **Question** [Abr98, Her98]. **questions** [Bea15]. **Quickly** [BCD+23]. **Quite** [CJ92]. **Quotient** [KS92, CsL08, Fas06, MMNR15]. **quotient-difference** [CsL08]. **quotients**

[VHC17].

R [LeS70, tW99, De 99]. **Rachford** [WRW17]. **Radical** [BH97, Web96, Sto79, Sto84]. **Radicals** [Jar15, MMR99, Wan98, Sht77a]. **Radio** [BSB+23]. **radioactive** [KA99]. **Radius** [Mor10]. **Ramanujan** [Alm11, Rad10]. **Ramanujan-like** [Alm11]. **Ramified** [SFH00, FSH02]. **Rand** [Qui97]. **Random** [Raj80, SFH00, Fit74a, MG15]. **Rank** [Fon08, BJS06, JP15, SS13, WRW17]. **rankings** [Gol06]. **ranks** [Kel15]. **Rapid** [Har00]. **Rational** [BCCL10, FL91, Ghe14, HK05, KU14, Lab15b, Mur14, Ngô11, Yan91, AKR20, AHCDT15, AHM15, AKM16, Bro74, CDS99, CsL09, DJ96, Elk08, EMT08, ES10b, Fat72b, Ghe10, Hal74, KN00, Mio82, MCJ15, MP16, Mur09, Ren82, SS92, Smi84b, US06, WGD82, YFJS19, Zho82, vdHL21]. **Rational-functions** [BCCL10]. **Rationally** [Fat72b]. **rationals** [Nov08, NvH08, WCF12, vH10]. **re** [JRH15]. **re-writing** [JRH15]. **Real** [AM16, BKR23, DK98, GK85, Mai99, Rum77, Abb14, Akr78, ÁS99, Arn81, Cap86a, CMX10, CDL+11, CGL05, CM83, Col74, ES19, FIS16, Gle86, MBS15, SE22, SS11, Tsi16, Ver75, YA07]. **Real-Time** [BKR23]. **RealCertify** [ME18]. **Realization** [KO83]. **Really** [KO83, AM08]. **realm** [Ste81]. **rearranging** [Fat03b]. **Reasoning** [Bar08, ABK+16, Gro99, KRV21, Lee10]. **Recognition** [Cal74, Tre90, Smi84b]. **recombination** [Bre05]. **Reconstructing** [CsL10]. **reconstruction** [DSJL08, FCW13, WGD82]. **recordings** [Mon21]. **Recovering** [Gut15]. **recovery** [BM15]. **Rectangular** [CJ97]. **Recurrence** [SVV95, Bar03, CC83, CvHL10a, CvHL10b, MS16b, MS18, RT88, Ver74]. **Recurrences** [Bac97, AZ91, Pet08]. **recurrent** [HMSP18]. **Recursive** [AGR13, Kem81, AM10b, Gae99]. **REDLOG** [DS97]. **REDUCE** [Loo77d, Cap86b, AE83, ASW89, BC81, CH85, Dav82a, Fit73, Gat85, Har77, Har79, Hea72a, Hea72c, Hea09, Hol92, Hv83, Kal82a, Koe95, KO83, KR85b, KR85a, MF83, MH85, Maz85, Nor78, PH81, PH83, Sch82, Sch83, ÜHK82, WR79, vH82, van86, vHvH87, Alv00, LS85, Loo72b, NW83, Rod84, Tri00]. **Reduce-2** [Rod84]. **Reduce-based** [Alv00]. **reduced** [MSV08, Poh81]. **reducible** [Ber06]. **reducing** [KS16, SS09]. **Reduction** [CHL14, AB19, BCCL10, Buc76b, BRRT08, Kal82b, Küc82, Mad15b, Sak19, Sti83, Tra15, WRW17, vdHL18]. **reductions** [IdC21, JPP22, WB83]. **Rees** [D'A15]. **references** [Akr80a]. **refinement** [Abb14]. **Refiner** [HC97]. **reflections** [Jen79a]. **region** [Dem12]. **regression** [IMC+22]. **regular** [AKM16, AM16, MV11]. **RegularChains** [CML+08, CDL+11, LMX05, Maz15]. **regularity** [AM10a, BGM99]. **regulators** [Jai08]. **Related** [Fel77, WB95, Har00, Nab07, Ple69, Rad10, Teo15]. **Relation** [Pra90, RT88]. **Relations** [SVV95, CC83, CvHL10a, Gra91, LOW08, Ver74]. **relationship** [CK03]. **relative** [HZ15]. **relatives** [Sto76]. **Relativistic** [How70]. **relativity** [Coh74, Kra83, Mac89]. **Relaxed** [SY14, Nag21]. **Relaxing** [GL13]. **Release** [Bah77]. **relevant** [Mio84]. **reliability** [POdCW19, dCW09]. **reliable** [LTdD+10]. **Remainder** [SS97, Jar12, Joh75, Yun74]. **remark** [ABD85, Akr80a, Akr80b]. **remarks** [Neu80]. **Remembering** [Wol13]. **remove** [KV19]. **removing** [vTG03]. **Ren** [YFJS19]. **Renschuch** [Abr03]. **reparameterization** [SV99]. **repeller** [HN19]. **replacement** [HK05]. **Reply** [Fat73a]. **Report** [Arn87, Cha90, Cha91, CW98, Eng15, Hec94, HLS84, Lab87, Las84, Mad92, MHGG80, Mio88, Sch82, Vol96, Vol97b, Vol97c, Wat98a, ADS96, Col74, RC76, Vol97a]. **repository** [WBD12]. **Representation** [OS16, Pat96, Sch91a, CFGVDT18,

CLM+08, CGL05, Gol91, Kat87]. **Representations** [BFS23, Ba12, CDM15, Emi15, Gae99, JM98, Kli74, Wee74]. **represented** [CM22]. **Representing** [MP14, Soi97, Wis84]. **reprint** [Hea69]. **Research** [Ano00a, Ano00b, Ano00c, Ano00d, Emi15, Ham14, Liu15, Vol98, tW99, Ano91b, Far15, Far04, GMM87, Joy09a, sL17, Ter11, Vol97c]. **residue** [DPFD15, IMSS08, KKM15, KKM18]. **residues** [Nor82]. **Resistance** [SFH00]. **resistant** [GMRT+15]. **resisting** [Tam15]. **resolution** [IdC21, Pei87a]. **resolutions** [BGLGMM18, Gal15, GMMCMMP22]. **Resolvent** [DJ96]. **Response** [LeS70]. **restrictions** [JM98]. **Result** [KS14]. **Resultant** [SS98, CK03, DD99, LPA15, LYG12, Min04]. **Resultants** [McC97, JM22, LMS12, Lew08, RZ11, Rue10]. **results** [AB19, CMPS10, Huf15, SS09, Teo15, Tri84b]. **Retreat** [Mad92]. **Reversed** [HM77]. **Review** [Ber96, BY02, Buc03, Cet96, Cor01b, Dal01, DP15, Dav03, Dec14, Gak79, GVR04, Hei13, Lob96, Qui97, Ano79]. **Reviewed** [Jef98a]. **Reviews** [Cet97]. **revised** [Arr08]. **revision** [Bah74]. **Revisited** [MJ14, RC05]. **Revisiting** [CJ18, LC19, NM13]. **revolutionary** [Fra80]. **Rewrite** [Fèv98, Raa15]. **Rewriting** [OS23, GSGZ15, KS16, Küc82, NS18a]. **REX** [McG84]. **Rhine** [Ano99h, Kre01]. **RICA** [BFS23]. **Riccati** [KYA08]. **Richard** [Ano17a, Mon20, Qui97, Ano13e, CGG+04, JCMG11b, Wol13]. **Ridge** [Pad02]. **Riemann** [BB96, CJ98, Liu19, MSM23, MCJ15]. **right** [Glo98b]. **RIMS** [Nod96a, Ter11]. **ring** [Liu15, Pér99, San91]. **rings** [BLH10, CM15, DS15, DSS15, DPFD15, HL10, IMSS08, MMNR15, OS16, Teo15]. **Rioja** [Rob01]. **Risa** [IS09, SS07]. **Risa/Asir** [IS09, SS07]. **RISC** [Vol96, Vol97b]. **RISC-Linz** [Vol96, Vol97b]. **Risch** [Dav82b, Mos69, SB89]. **risk** [Dav03]. **Ritz** [Mio74]. **RLISP** [Kry84]. **Robbiano** [GVR04]. **Robust** [KS19, Man11, NS18b, Fas06, Ke00]. **Rocquencourt** [Vol97c]. **Romania** [Ano08a]. **Rome** [Gia88, Gia89, Mor89]. **Root** [CL11, DK98, EV05, Akr78, CMX10, DPQ15, Gra05, Hei70, Mur10, Pan05, Rum77, Tsi16, Uga12]. **root-finding** [Pan05, Uga12]. **Roots** [Vol95, Web96, Abb14, Cav75, Fit74b, JN04, KYA08, ST02, Sas04, Zen04, vdHM20]. **Rosser** [Win84]. **Rostock** [Glo98a, LR98, Wei97]. **Rota** [GSGZ15]. **Rotating** [van80, Rim84]. **rotation** [Fri74, KM87]. **Rounding** [CPS11]. **routines** [CL09, HP67, SLW15]. **Row** [AB19]. **Royal** [Jen74a]. **RSA** [Duj08, Jon08]. **RUBI** [JRH15]. **Rubik** [KM87]. **Rule** [DR01]. **Rules** [Buc90, Raa15]. **Runge** [Cam73]. **Running** [Kal82a]. **Rupert** [SY22]. **Russia** [BBS+02, Ano99f, Ano08b]. **RWCA'00** [Ano99h]. **Rybowicz** [DP16].

SAC [Ano95f, CMR74, Hor72, Lan86, Ver75]. **SAC-1** [CMR74, Ver75, Hor72]. **SAC-2** [Lan86]. **SACLIB** [Ric09]. **saga** [Lic15]. **SAGE** [JM08, Joy09a, SJ05, Goy21, JP19, JPBCL20, Erö10]. **SageMath** [ACLM23, CRDMBR19, KM19]. **Saint** [Ano99f]. **Samarkand** [Ano99j]. **Same** [Bea15, Ano82c]. **SAMPLE** [Gle92]. **Sampling** [CFRT20]. **San** [Col69]. **Saneblidze** [VJ08]. **Sanpou** [Mor10]. **Sanpou-Hakki** [Mor10]. **Santander** [Gut04]. **SAT** [BKG18, ZK11]. **Satisfiability** [ÁAB+16]. **satisfied** [AZ91]. **Sato** [CG19, SS07]. **saturated** [CC08]. **saturation** [KM11]. **Saul** [Zei12]. **Saving** [Atk81]. **sca2002** [Rei02]. **scalar** [AB19].

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Ber96, BFS23, Bos84, Bro93, BKR+91, Cam88, Cap03, CC72, Cha86, Cha96a, CHJ+97, Cla69, CsL09, Doo99, Enc97a, Eng15, Fat81, FH96, Fat99, Fla88, Ged99, GMM87, Gia88, Giu01, Gle86, Glo98a, Gon89, Gri76, Gut04, Har79, Hod11, Hon94, Hon96c, IMC+22, IT12, Jef98b, Jen76, KF99, KW97, Kau05, Ke00, Küc97, LR98, Lak96, LLT18, Lev95, Lic11, Mor02, Mou01, Ng74, Ng79, Nor82, Pop98, Rei00, Rei02, The10a, ISS89, ISS94, SN97, Sen03, She07, SB97, SW97, Sun74, SVZ06, Tra06, Tra00, Vol97c, Vol98, Wan78c, Wan81, Wan92, WN90, Wat91, Wat98b, Zho07, AE83, ÁAB+16, Bar08, Bel83, Ben08a, Ber99c, BGJ70, BKSS10, BGJ11, BCCR80, BFR+18, BCLA82]. **symbolic** [Buc84, CL96, Car03, Cha81, CGG83, Col69, CM02, Coo04, Din09, Ebn86, EB70, ES10b, Fat84, FBOS88, Fat15, Fel75a, FS97, Fuc08, Gen71, GMC+21, Goy21, Gra87, Gri79, HI93, HYH15, HLS84, How70, Hue84, Jen77, KO13, Kan76, KPR16, KA99, Koh10, Kri84, Lac92, Leg84, Lic15, Lic84, Llo84, LMF12, Mat21, Mio74, NP88, NS17, RSV02, The10b, SV10, Sho82, SS17, Sto79, Tec11, Vor80, Wan76b, Wan80c, Wan80b, dT84, vH84, vdHLM+11, Ano84, BU93a, BU93b, Gia89, KRR12, Ng79, Rei02]. **Symbolic-algebraic** [She07]. **Symbolic-Numeric** [SW97, CsL09, Hod11, IMC+22, SVZ06, Goy21, vH84]. **symbolic-numerics** [GMC+21]. **Symbolically** [BB96, SASG99, Xie07]. **SymbolicData** [Grä18]. **SymGrid** [The10b]. **SymGrid-Par** [The10b]. **Symmetric** [KS14, CP12, FPS16, Gae99, GMRT+15, JGB12, SS68]. **Symmetry** [AHM15, Met23, LBL20]. **symplectic** [Gra91]. **Symposium** [ACM94, Aca20, Ano95d, Ano95f, Ano98, Ano99c, Ano99e, Ano99d, Ano99b, Ano99g, Ano03, Ano08a, Bro93, CL96, Cap03, Cha86, Cha96a, Doo99, Enc97a, Eng15, Gia88, Gia89, Giu01, Glo98a, Gon89, Gut04, Hon94, Hon96c, Jef98b, Jen76, Kau05, Küc97, LR98, Lak96, Lev95, Mor02, Mou01, Ng79, Rei00, ISS89, ISS94, Sen03, Tra06, Tra00, Wan81, Wan92, WN90, Wat91, KV04]. **SymPy** [JČMG11a]. **Symsac** [Cha86, Wan81, Jen76]. **synergy** [Öre84]. **SyNRAC** [FIS16, YA07]. **Synthesizing** [CC83]. **SYPAC** [di 82]. **System** [BGLM23, BK14, Dav00b, Fèv98, GK85, GPS97, KO83, Mon93b, Pop97, SVV95, SJ05, Ste96, TO97, Yan91, dR90, AsW08, ÁS99, Arn10, Bah69, BS74, BGJ11, Bro04, Bul10, CL87, CGG83, Cla69, CRWZ20, ELME22, Eng75, Far15, FCB+22, GL10, GK84, GCG83, GK88, GPS08, Grö10, HK08, HLS84, JT91, Jen70, Jen77, KS81, Kli74, Kot01, KR85b, LaP72, LW08, LPR99, LS03, Li09, Lou84, Man10, MGR+08, Meu03, Moe78, Mor87, NP88, Pag07, Rim84, Roa08, Rod84, SS11, SS12a, SH09, SW06, Sho82, Str74, Tro97, Wil84, Xue15, Zho15, Zhu15, dCW09, di 82, KP97]. **Systems** [Ano84, BNN14, Buc91, Cal01, Dec14, Ger98, GLS97, GS97, Laz01, SIK14, Sch02, Stu23, dQ77b, dR90, AKR20, BK04, Ban08, Bar10a, BPS12, Bar15, Bat13, Bos84, BJS06, Bou15, BP20, CL96, CDL+11, CK03, CJ88, DM15, Dav12, EGK09, Fat81, Fat87, FP89, Fat96, Fat15, FIS16, Gae99, GJM09, GSGZ15, HI93, IT12, Joy08, Joy09b, JČMG11a, KS03, Kou09, Kre88, KKM15, KKM18, Lab15a, Laz80, Lee19, LW99, Lew00, Ley10, Llo84, LMF12, Mac89, Mad15b, Mad15a, MK96, Man10, MP11, MS16b, MS18, MGRR21, Min15, NOT18, Nat92, POdCW19, Pon88a, Por09, RSV02, The10b, Sau80, SV10, SS13, SS10, Ste10, Sun73, Sun74, SS07, TMV18, Tif15, Tri11, Vil98, Wol05, Wol08a, WSW13, Xia07, Xie07, Yun73, dQ77a, dT84]. **syzygies** [Ter13, Wal89].

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