A Bibliography of Publications about the Computation of Elementary Functions in Computer Programming Languages

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Title word cross-reference

#3506 [Fet81b, Köl97]. **#6725** [Fet81a].

$(0, 2)$ [GRS87]. $(1 + 2x)\exp(x^2)(x)$ [SL81]. $(a, b) \leftarrow \left(\frac{a+3b}{4}, \frac{\sqrt{ab}+b}{2}\right)$ [BB89]. (η, π) [BDG+84]. (η, ρ) [BDG+72]. (M, p, k) [BEM12, WMBE14]. $(n, 1)$ [Kra85b]. $(n, 2)$ [Kra85a]. $(\psi(x) - \psi(y >))^2$ [De 91]. $-1/2$ [CT67a, CT67b]. $-\infty < N < +\infty$ [Kog57, Kog58b]. 0 [Col80, Col84]. $0 < N < 1$ [Kog58a]. $0 \leq x < \infty$ [SL81]. $0 \leq x \leq 1$ [Ano48]. 1 [AB93, Her61c, NDT69, Pas92]. 1/2 [CT67a, CT67b, Fuk15d]. 1/9 [Mag94]. $1/n$ [Boy09]. $1/\sqrt{x}$ [TBDS11]. 10 [Col80, Col84, NDT69]. 1271 [Knu62a]. **$140.00** [Lip21]. 2 [Bak73, Bak75a, Bas01, BJK+11, CL94a, CP99, Her61c, LO95, MIT+95, MC93, MC95, PZ95]. $29,360,000$ [Bai88]. 2^p [Mer94]. 3 [Lin79a, NKY08]. 3/2 [CT67a, CT67b]. 38 [Gus78a]. $3j$ [SG76]. 4 [BH01, EL90, LA01, LA03, NL99]. **$46.36** [Lip21]. $6j$

[SG76]. 8 [HF95, PZ95]. 9 [Wei98]. $[-1,1]$ [HR88]. $[0,\infty)$ [CMV69]. ^{2} [Sel93]. ${}_0F_3$ [Lar69]. ${}_1F_1(a,b,z)$ [AG08]. ${}_2F_1(a,b;c;x)$ [TC01]. ${}_2F_1(a,b;c;z)$ [BS00]. ${}_2F_2(1,\alpha;\rho_1,\rho_2;z)$ [Kim72]. ${}_3F_2$ [Büh87]. ${}_n$ [LDP93]. ${}_pF_{p-1}(a;b;z)$ [BS06]. ${}_pF_{p-1}(z)$ [Sko04]. A [IP81, AG08]. a,b [DJ67]. $\mathrm{Ai}(x)$ [MPG92a, MPG92b]. B [Wen09, AG08, NPA16]. c [FLS06]. χ^2 [Fet79]. $\cos$ [Tur69]. $\cos(i\pi/n)$ [Oli75]. $\cos(x)/x$ [Gau66a, GK70b]. $\cos^{-1}$ [MMM93]. $\cosh z = az$ [Fet76]. $\cos N$ [Kog59]. E [Cod66, FC64, FC64, Cod65a, Yar67]. $E(m)$ [GMMIDM13]. e^{-x} [Bar72, CMV69]. e^{-z} [Sie76]. e^N [Kog57]. e^x [Bar72, ECSD20, Mar86]. e^x/x [Gau66a, GK70b]. $e^zE_1(z)$ [Has02]. $E_1(x)$ [CT68]. $E_1(x), x>0$ [SZ77]. $E_n(x)$ [SZ74]. $E_\nu(x)$ [CLM88, NP18a]. ϵ [Bre78a, Kal04, KWY07a, KWY07b, Mat92]. η [BFSG74, BFSG84]. $\exp(Bt)$ [PN85]. $\exp(x)$ [AJMT81]. F [Dor68]. $F(a;b;c;z)$ [FLS06]. $f(\infty)$ [BB94]. $F(n/2,1/2,x)$ [Uni49]. $f(x)$ [BB94]. $F_0(x)$ [SC71]. F_1 [EG97]. $F_{1/2}(x)$ [WR63]. F_2 [ABF+23, OSS09]. F_3^m [AH10]. $F_a(\alpha;\beta,\beta';\gamma;x,y)$ [TS76]. F_c [BK16]. $F_j(x)$ [Let01]. $F_\lambda(\eta,x)$ [Bar82a]. $F_m(x)$ [CP98]. $\frac{2}{\pi}\int_0^\infty\left(\frac{\sin t}{t}\right)^n dt$ [HKW60]. $\frac{\partial}{\partial\theta}P_\mu^1(\cos\theta)$ [Wil68]. G [Lev91a, SS10]. $g_{3/2}$ [Mac97]. $g_{5/2}$ [Mac97]. $G_\lambda(\eta,x)$ [Bar82a]. Γ [BB82, Sha76, BF92]. Γ_3 [CS11]. H [KS04]. H_1 [AJ03]. $H_n^{(1)}(z)$ [AM79, AM84a]. $H_n^{(2)}(z)$ [AM79, AM84a]. $\mathbf{Ei}(x)$ [CT69]. I [GS81, Soo73a]. I_0 [Hil77]. $I_0(x)$ [Bla74]. $I_0(\xi)$ [Las82]. $I_1(x)$ [Bla74]. $I_n(b)=2\pi^{-1}\int_0^\infty\left(\frac{sinx}{x}\right)^n\cos(bx)dx$ [Tho66]. $I_n(b)=\frac{2}{\pi}\int_0^\infty\left(\frac{\sin x}{x}\right)^n\cos bx\,dx$ [Fet67]. $I_n(b)=\frac{2}{\pi}\int_0^\infty\left(\frac{\sin x}{x}\right)^n\cos(bx)dx$ [MR65]. $I_n(X)$ [Leh44]. $I_n(x+jy)$ [Sca71]. $I_\nu(x)$ [ADW77a, ADW77b, Amo78]. $I_nu(z)$ [Tho04, Cam81, Cam84a, TB87]. $\int_0^\infty\frac{t^{2\alpha-1}J_\nu(x\sqrt{1+t^2})(1+t^2)^{\alpha+\beta-1}}{d}t$ [Sch78a]. $\int_0^\infty t^{2\alpha-1}(1+t^2)^{1-\alpha-\beta}J_\nu(x\sqrt{1+t^2})dt$ [Gla79]. $\int_x^\infty e^{-t^2/2}t^pdt, x>0, p$ [DiD78]. $\int_x^\infty J_0(t)t^{-n}dt$ [Lon59]. $\int_x^\infty J_1(t)t^{-n}dt$ [Lon59]. $\int_0^{\pi/2}J_0^2(\gamma\sin x)dx$ [SF87]. $\int_0^{\pi/2}J_\nu^2(\lambda\cos\theta)d\theta$ [Won88]. $\int_0^h e^{x^2}\,dx$ [Daw97]. $\int_0^\infty\exp(-ct)\,dt/\sqrt{t(1+t^2)}$ [Act74]. $\int_0^\infty t^n\exp(-t^2-x/t)\,dt$ [CP79]. $\int_0^z-\log|1-y|/y\,dy$ [Mit49]. $\int_1^\infty e^{-xt}t^{-n}\,dt$ [Gau59]. $\int e^{b(x+a\ cosx)}\,dx$ [Rut51, Rut51]. J [Gun65b, Gun65c, Soo73a, JF16, Wei98]. $j=-3/2$ [Let01]. $J_l'(x)$ [Bea58]. $J_{-\nu}(x)$ [CK79]. J_0 [AM77, AM84c]. $J_0(x)$ [GM88, Let96, MG85, Sch64, WBR82]. J_1 [AM77, AM84c]. $J_1(x)$ [GM88, WBR82]. $j_l(r)$ [Del79]. $J_l(x)$ [Bea58]. j_n [AM78b, AM84b]. $J_n(x)$ [Col80, Col84]. $J_n(x+jy)$ [Sca71]. $J_n(z)$ [AM79, AM84a, dT93, CM83]. $J_\nu(x)$ [ADW77a, ADW77b, Amo78, BGV81, Cam79, Cam84b, MG89]. $J_\nu(z)$ [ES99]. $J_v(x)$ [LW96]. $\mathrm{Je}_0(a,z)$ [DK90]. K [Cod66, FC64, Lau73, FC64, BST13, Cod65a, GS81, Bas01, Lem88, LC87]. $K_0(x)$ [Ano48]. $K_0(z)$ [Bur74]. $K_1(x)$ [Ano48]. $K_1(z)$ [Bur74]. $K_{i\zeta}(x)$ [BO75]. $K_n(Z)$ [Par72, DC81, LG79]. $K_\nu(t)/I_\nu(t)$ [LL72]. $K_\nu(z)$ [Cam81, Cam84a, TB87, Tho04]. $K_p(x)$ [Aha69]. $Ki_n(x)$ [BEJ78]. $Ki_s(x)$ [GP64]. L [ZSA86, BB15, Cra12a]. $l(r)$ [Del84]. l_2 [GLT+15]. L_p

[Hei88, Ubh89, JMS98]. λ [Bar84b]. $\ln(x)$ [MTP82]. $\log_e^2(1+x)$ [MM90a]. $\log_2 x$ [KP75]. $\log n$ [KR79]. $\log Z$ [Luk57]. M [Kog59, SK11]. $M(a,b,x)$ [Mul01]. $m^2+y^2n^2$ [AB93]. $M_{k,1/2}$ [Lau73]. GF(2^{m}) [RHMLL08]. μ [Kun81]. N [CH89a, Kog59, BH99, CH89b, Hig93, CL00, Gau59, GLT+15, Har14, Lev91b, Rei69]. ν [CH70a, CK79]. $O(N^2/\log^{3/2N})$ [SR81]. $O(n^3L)$ [Gon89]. $\arctan Z$ [Luk57]. bei [Tha62a]. ber [Tha62a]. $\cos x$ [Bar72, Bar72]. $\mathrm{Ei}(x)$ [Ng70, Pac70, Red70, TM68]. inverfcθ [Phi60]. mod$p$ [Sch85]. $\mathrm{Shi}(x)$ [TM68]. $\sin x$ [Bar72, Bar72]. p [ADN03, CL11, Tor02, Tur94]. $P_\nu^1(\cos\theta)$ [Wil68]. $p^m_{1/2+i\tau}(x)$ [GST12b]. $P_n(x)$ [LW95]. ϕ [Pro88]. π [Bai88, BBB89, CDR71, Sal76a, Sha76, Yar67]. ψ [Gla66]. $\psi(x)$ [DR98]. $\psi(x)-\psi(y>)$ [De 91]. $\psi(x)-\theta(x)$ [Per85b, Per87]. $\psi(x;3,l)$ [McC84]. $\psi(z)$ [McC81]. $\psi^{(k)}(x)$ [Köl96]. Q [BTT16, CB09, CD02, CPG12, Dev12, DB13, DD08, Fre09, GST14a, IR08, Jan11a, Jan11b, KL07, LKF10, LBC11, MJ13, PUHM12, SK11, SF10, WLK11, Bor88, CIM94, GA08, Kra95, SJ12]. $Q(x)$ [BS79]. QD [AN68]. R [JKD92]. R^2 [Bos89]. ρ [BFSG74, BFSG84]. S_n [SM77, SM78]. sin [Tur69]. $\sin(x)/x$ [Gau66a, GK70b]. $\sin 1^\circ$ [Aab54]. $\sin^{-1}$ [MMM93]. $\sin N$ [Kog59]. $\sin z = az, \cos z = az$ [Fet76]. $\sqrt{(}x)$ [And82]. $\sqrt{(x/d)}$ [ALB98]. $\sqrt{6}$ [AB93]. $\sqrt{x}$ [Kah80, Mou67]. $\sqrt{x^2+y^2}$ [BJK+11]. $\sum_{n=1}^\infty n^{p-1}E_n^*(f)<\infty$ [HS83]. t [Hil70a, Hil70b, Hil73a, Hil81a, Hil81b, eL79]. Θ [Fdi97]. $\theta(x;3,l)$ [McC84]. $\theta_3(q)$ [WV20]. $U(a,\ b,\ z)$ [Tem83a]. $U(a,b,z)$ [GST15a]. $U(a,x)$ [GST06a, GST06b, SGA81]. $V(a,x)$ [GST06a, GST06b, RL76, SGA81]. W [Gau11, Goe14, JHC96, Jef17, Joh20a, MS16, Miy19, Pak18, Veb12]. $W(a,\pm x)$ [SGA81]. $W(a,x)$ [GST11a, GST11b]. $W_{k,1/2}$ [Lau73]. $W_{k,m}(z)$ [Won73a, WR71]. $\wp$ [Eck76, Sou57, T.57]. $\wp(z|e_1,e_2,e_3)$ [Tod90]. X [HJ67b, De 91]. $x=0$ [BB94, Mid75]. $x=1/4$ [Köl96]. $x=3/4$ [Köl96]. x^n [McC77, NL94]. x^{x-1} [Mor14]. $xC_\nu'(x)+\gamma C_\nu(x)=0$ [GS12]. $x\exp(i\pi/4)$ [Wal84]. $x\geq 0, \nu\geq 0$ [ADW77a, ADW77b, Amo78]. y [AB93, De 91]. $Y_0(x)$ [Ano48, WBR82]. $Y_0(z)$ [ZB95, Zha96a]. $Y_1(x)$ [Ano48, WBR82]. $Y_1(z)$ [Zha95, Zha96a]. y_n [AM78b, AM84b]. $Y_n(z)$ [AM79, AM84a, ZB97, dT93]. $Y_\nu(x)$ [Cam79]. Z [Som82, NPA16]. $z=1$ [BS06, Sko04]. Z^2 [Lef05]. $Z\alpha$ [FR76]. $Z\alpha^2$ [FR76]. ζ [Lee97]. $\zeta(\alpha,s)$ [BS06]. $|x|^\alpha$ [GS91].

-acceptability [IP81]. **-algorithm** [Bre78a, Mat92]. **-analogues** [GA08]. **-Bessel** [BST13]. **-binomial** [Kra95]. **-continued** [Lev91a]. **-D** [BJK+11]. **-DIIS** [Sel93]. **-discrepancy** [Pro88]. **-Distribution** [Hil70a, Fet79, Hil81a, eL79, Dor68]. **-elementary** [Bor88]. **-expansion** [Kal04, KWY07a, KWY07b]. **-Exploring** [Sho02]. **-fractions** [Lev91b]. **-Friendly** [WMBE14, BEM12]. **-Function** [DD08, Eck76, Gla66, Jan11a, BTT16, GST14a, IR08, Jan11b, KL07, LBC11, SK11, WLK11, BF92, CB09, CD02, CPG12, Dev12, DB13, Fre09, LKF10, MJ13, PUHM12]. **-functions** [BB82, Gau11, SF10]. **-gamma** [GA08]. **-interpolation** [GRS87]. **-Laguerre** [CIM94]. **-norm** [JMS98]. **-Norms** [GLT+15]. **-periodic** [Lem88]. **-plane**

[BDG+84]. **-Quantiles** [Hil70b, Hil81b]. **-saturation** [Hei88]. **-select** [CL00]. **-series** [BB15, Cra12a]. **-spaces** [Som82]. **-Spline** [Lin79a]. **-th** [Har14, CH89b]. **-transforms** [KS04]. **-type** [Fdi97]. **-Vectors** [GLT+15]. **-Zeros** [CH70a, CK79]. **-Zeta** [SJ12].

1 [Frö63a, Lov53]. **1006** [AM20]. **1014** [Bor21a]. **10th** [KM91]. **11th** [SIJ93]. **121** [Laz85]. **121-122** [Laz85]. **122** [Laz85]. **123** [HJ67b]. **12th** [KM95]. **13** [Joh87b]. **135** [Ano84]. **13th** [LMT97]. **14** [Bea60]. **144** [ACG+87]. **149** [Mer62, Tha63b]. **14th** [KK99]. **15th** [BC01]. **16** [Wim72]. **1604** [Mae60]. **163** [Fet63]. **165** [Far69, Tha63a]. **167** [PZ95]. **16BST** [Cat85]. **16th** [VDR05]. **179** [BB74, Lud63, PH67]. **17th** [IEE05]. **18-19** [IEE81a]. **180** [HJ67b]. **181** [HJ67b]. **18th** [KM07]. **191** [Kop74, Rel63a, Rel63b]. **192** [Rel63c]. **1958** [Lan59]. **1975** [Ask75, Tra76]. **1976** [Cow77]. **1981** [Mul82]. **1983/84** [Laz85]. **1985** [Mar85, MC87]. **1988** [MC90]. **1989** [MMH89]. **1990** [BL91]. **1993** [BCEP94, Zah94]. **1996** [Boi97]. **1999** [CDS00, DIW00, SC01]. **19th** [BCDH09].

2 [IM99a, MLS+18]. **2001** [BC01]. **2002** [Bor02, KV03]. **2005** [HUY07, IL07]. **2006** [Ano06, Men06]. **2008** [IEE08, Sht19]. **2010** [ISO10]. **2013** [IEE13]. **2015** [MTV15]. **2016** [MSH+16]. **2017** [BBdD17]. **2019** [TBL19]. **2020** [CLT20]. **2021** [IEE21]. **2022** [IEE22]. **209** [HJ67b, Ibb63]. **20th** [Bre00, SO11]. **213** [Gra63a, Gra64]. **21st** [IEE13]. **221** [Gau64b]. **222** [Gau64c, Gau64d]. **225** [Bra64, CC64]. **226** [Cyv64, HJ67b]. **22nd** [MTV15]. **236** [Gau64a, Gau65b]. **23nd** [MSH+16]. **244** [LG64]. **245** [Mac89]. **24th** [BBdD17]. **25** [Hen77, Sha76]. **252** [Gun65a]. **259** [Gau65a]. **25th** [TT18]. **260** [Gun65b]. **261** [Gun65c]. **26th** [TBL19]. **272** [HJ67b, Mac65, Mac68]. **27th** [CLT20]. **282** [Gau66a]. **28th** [IEE21]. **291** [PH66]. **292** [Gau66b, Gau69b, Köl69a]. **299** [HP67, OW68]. **29th** [IEE22].

30 [ACG+87]. **30-ns** [MIT+95]. **300** [Gun67, Köl69b, Köl69c, Vos73]. **301** [BP67, Pit67]. **304** [Ber68, HJ67a, HJ67b]. **30th** [IEE89b]. **312** [Fri67]. **32** [ASA06]. **322** [Dor68]. **327** [Köl68]. **332** [Sko75b, Wit68]. **33rd** [Spr00]. **34** [Fra81]. **349** [TS69]. **352** [Cle69]. **360** [Fik66, Kuk66]. **3600** [Cod64]. **363** [Gau69a, Köl72a]. **370** [ACG+86]. **38** [Bin68]. **3800** [WOG95]. **385** [Pac70]. **392** [Fri72, SM70]. **395** [Hil70a]. **396** [Hil70b]. **3DNow** [IM99a].

40 [Fet81a]. **404** [LT71]. **421** [Kuk72a]. **43** [Fet81b, Köl97]. **435** [Ful72, Sch78b]. **44** [Per87, Woj61]. **442** [HD73]. **44th** [Men06]. **45** [Lew87]. **46** [Her61b]. **465** [Hil73a]. **47** [Cob69, Tho04]. **471** [Gau73]. **484** [Bur74]. **487** [Pom74]. **488** [Bre74]. **49** [Her61a]. **490** [GZ75, Mor76]. **498** [Pri75]. **4th** [HY14, IEE78].

50th [Gau94]. **511** [ADW77a, Amo78]. **518** [Hil77]. **54** [Her61c]. **542** [Gau79a]. **549** [Eck80]. **55** [Her61d, Tha63c]. **55-b** [MIT+95]. **56**

[Her61e, Lar66]. **57** [Her61f, Tha62a]. **577** [CN81]. **585** [Bre82a]. **599pp** [Köl90]. **5th** [Ano03, Gre16, IEE81a, IEE81b, IL07].

6 [Gun65b]. **6-** [Gun65b]. **60** [Tem79a]. **6000** [Mar90]. **602** [Gel51]. **602-A** [Gel51]. **610** [Amo83]. **64** [HKST99, Mar00, ST99]. **644** [Amo86, Amo90, Amo95, Kod07]. **650** [Joh87a]. **654** [DM87]. **66** [Hil73b]. **680** [PW90a]. **69-0172** [Fet81a]. **6th** [FBM04].

708 [BL94, DM92]. **714** [Cod93a]. **723** [And00, Sny93, Sny96]. **7289** [FR98]. **73** [Jef62, Mey63, vdR63]. **736** [DR94a]. **745** [Goa95, Goa97]. **754** [AHM+98, AAHTH10, BT99, DR04, Hou81]. **754r** [LSZ08]. **757** [Mac96]. **77** [GST02b, WNO94]. **78** [Has66]. **794** [Wie99]. **7th** [Ano06, BCD+20, Hwa85].

8008/8080 [Arn77]. **804** [Alh00a]. **814** [Smi01]. **819** [GST02b]. **81f** [Fra81]. **822** [GST02c]. **831** [GST04a]. **838** [Fab04]. **850** [GST06a]. **858** [VC06a]. **86k** [Per87]. **86m** [Lew87]. **87** [Alz98]. **877** [Kod08]. **88** [Cun62a]. **885** [Lin09]. **'89** [IEE89c, ACM89, Cun62b]. **895** [BC09].

9 [Ano84, Gun65c]. **9-** [Gun65c]. **'90** [Koo91, Cun62c, DG99, EC13, GST12b, SSG+18, Smi01, Tho97a]. **903** [CZ10]. **'91** [IEE91, Koo91]. **910** [Kor11]. **911** [Smi11]. **912** [Kod11]. **914** [GST11a]. **916** [ZA11]. **92** [VRS+99]. **926** [Tho13]. **934** [EC13]. **935** [RKZ+14]. **939** [GST14a]. **954** [Flo15]. **'96** [Lak96, RDK98]. **969** [GRAST16]. **978-0-367-40820-6** [Lip21]. **9th** [ES89].

A-Priori [Krä87]. **A.** [Leh83b]. **abc}** [CLZ04]. **Ableitungen** [Töl68]. **Abramowitz** [Dav59, GJL20]. **Abründungsfestigkeit** [Ost37]. **Absolute** [MM91b, Mat90a, Fri67]. **abstract** [Ost54]. **Abstraction** [KI16]. **abstracts** [Spr00]. **Academy** [Mil75a]. **Accelerated** [HR05, DGB82]. **Accelerating** [BMR04, Vep08]. **Acceleration** [Alb62, Boy09, Bra65, Bre82b, CRZ00, DGS65, FFS83, Gus66, HBS00, Hom96a, Hom96b, Hom98a, IBM05, KP03, LB90, Osa90, Ovt03, Pas03, Sel93, SF79, Tro84, UE05, Wil12, Wyn72, Bre77, Che88, Del81, AGJ86, Ano67, BD85, Bel90, Bre77, Bre78c, Bre78a, Bre78b, BDGB83, Bre83, Bre85, Bre88, Bre99, Bre00, BCG91, Che88, Cro92, DK82, DGB80, Del81, Fdi97, GB90, Gus78a, Gus78b, Gus84, Gus85, GS91, HP93, Har77, Hau88, Hom94, Hom98b, Hom99, Ise91, Ise94, JW88, Joh83, Kru99, Kza92, Kza99, Lem88, LP88, Lev91b, Lev91a, LP95, Lon81, Mat90a, Mat92, Mül93, Mül99, Now06, Ole96, Osa94, Pas92, Pas08, Pas10, Pas11, RdL01, Sch68, Sed90, SL83, SS98, Wen89, Wen01, DGB80]. **Accelerator** [MLS+18]. **accelerators** [Sid06]. **acceptability** [IP81]. **according** [Töl68]. **account** [Mit49]. **Accuracy** [AMM21, BBM84, BHK09, Gal85, GB68, Ike76, LDP93, Sal51b, SF59, WMC21, Zag19, Bar81, Bar84b, Bra64, CC64, Gal86, Jab20, Krä88, Loe01, Sch80b, TB87, WMC18, Zag24b, Bra87, Rot71, von80, Mül90]. **Accurate**

[AM20, AFC10, ASA06, AM79, AM84a, Bee91, Bin68, DB13, FB91, Flo15, FR76, GB91, GST12a, GF88, HT13, Har09b, How22, JGB13, JF16, KB90, LBC11, LJ13, Mac97, MNP83, MT85, MT86, SS97b, SS97a, SK11, Sho05, SZ05, SS99b, Tan90a, Tan90c, Van89, VLCSFN$^+$12, Zag17, ZOHR01, von84, AM12, AIS$^+$17, BCK$^+$93, Che16d, DMMM95, Di 86, GST11b, Lut95, Mit92, MN16, NP18a, PKS00, PN85, SZ77, SS10, SS23, Tan91a]. **Achieving** [BTDS11, Gal85, Gal86]. **Ackermann** [Sun71]. **Acknowledgment** [Wis48]. **ACL2** [Bor02]. **ACL2-2002** [Bor02]. **ACM** [ACM89, Joh87b, Koo91, Bre74, Bur74, Ful72, Gau64a, Gau73, GZ75, Hil70a, Hil70b, HD73, Hil73a, Kuk72a, LT71, Mer62, Mor64, Pom74, Rel63a, Wit68]. **ad** [Yun14]. **Ada** [ACM87, DPC95, Dri89, Dri91d, Dri91a, Dri91b, Dri91c, Mat87, Squ91c, Squ91a, Squ91d, Squ91b, Tan90c, Tan91a]. **Adaptive** [BM04, ZCL15, Was89]. **Add** [BDL09]. **addenda** [Luk56b]. **Addendum** [Fra81]. **adders** [CP99]. **Addition** [SS97b, SS99b, MC91]. **Additional** [LM93]. **Additions** [LJ13, ITY96]. **adds** [Bic81]. **Adelaide** [KK99]. **Ado** [Kah87]. **advance** [BMR04]. **Advanced** [Luk99, Ask75, CDS00]. **Advances** [IEE99, VK95]. **Aerospace** [Fet81a]. **afficionado** [BCR$^+$07]. **affiliated** [Bor02]. **Again** [Hin77]. **AGM** [Bre17]. **ähnliche** [Völ83]. **Ai** [CM13b]. **Aids** [SR53]. **Air** [Fet81a]. **Airy** [BP67, CM13b, CH78, CJR91, CJR92a, CJR92b, FO99, Fab04, FLO04, FK19, GST02b, GST03a, GS14a, GST20, HB75, JL12, Kra14, LO93, Mac94a, MPG92a, MPG92b, MP79, Moo81, Moo84, Pit67, Pri75, RS81, oKSAG79, SC81, TV09, VS04, VS10]. **Airy-type** [GST03a, GST20]. **AIZ** [GST02b]. **Al** [Aab54]. **Al-Kāshı** [Aab54]. **Alan** [Mil04]. **Albuquerque** [IEE91]. **Alexander** [Lip21]. **Algebra** [Fat16, Arm82, Fab02, Joh20c, Joh20d, Joh88, Ost54, Tre80]. **Algebraic** [ACM89, Bro07, FS96, Lak96, Ris79, SE11, Her82]. **algebraically** [Boy09]. **algebraically-converging** [Boy09]. **algebras** [Hai60, Var95]. **ALGOL** [Tem79a, Wyn62, Chr62, Chr65, Frö63b]. **Algorithm** [ALMN05, ABJ19, Bai17, Bai93, BV85, BO93, Bic81, Bor19, Bor21a, Bor95b, Bre74, BDK$^+$05, Bur74, Cod83, Cod93b, Col78, CG85b, Cus83, DB13, Erc78, FFS83, Ful72, Gau64a, Gau73, Gau16, Gil16, GZ75, GLR07, Gus78a, Hei96, Hil70a, Hil70b, HD73, Hil73a, HMO19, Joh87b, KDDH94, Kir88, Kuk72a, KNS95, Let01, LC87, LT71, Mac89, Mer62, MKY92, Mor64, MW83, MCT18, OE82, PSB76, PEB04, PB08, Pom74, Pre78, Ree90, Rel63a, Rol87, SG02a, oKSAG79, Sel93, SR14, Smi91, Sny21, Soo73d, Soo73c, Tak01, Tem79a, VB04, VVA09, Wit68, Zag16, Zag17, Zen04, eL76, AN68, Bai88, BKM94, Bar81, Bor95a, Bre18, BJ15, Bre78a, Bre80b, Bro89b, Bun09, Car72, CL94a, CO80, DMMM95, DAV12a, Dev12, EH89, Fdi97, Fet74, Flo61, Fuk83, GEK04]. **algorithm** [GST12b, Gon89, Gre82, Har14, Has00a, Jab12, Jab13, Jab20, KB89, KMY89, KCYL06, LO95, LP88, LC96, LC97b, LMS73, Mat92, McC77, Mit92, Mos69, NP18a, OY91, PN85, Per85a, SGA81, SS10, SS23, SD85, Tan90b, Ter81b, Tom00, Vep08, WMC18, Wal71, WTM05, Woź10, ZA14, ZLC04, AM20, Alh00a, ADW77a, Amo78, Amo83, Amo86, Amo90, Amo95, And00, BC09, Bea60, Ber68, BP67, Bor21a, BB74, Bra64, Bra70, Bre82a,

BL94, CN81, CZ10, Cle69, Cob69, CP70, Cod93a, Cun62a, Cun62b, Cun62c, CC64, Cyv64, DM87, DM92, Dor68, DR94a, Eck80, EC13, Fab04, Far69, Fet63, Fil66, Flo15, Fri67, Gau64b, Gau64c, Gau64d, Gau65a, Gau65b, Gau66a, Gau66b, Gau69a, Gau69b, GK70b, Gau79a, GST02b, GST02c, GST04a, GST06a, GST11a, GST14a, GRAST16, Goa95, Goa97]. **Algorithm** [Gra63a, Gra64, Gun65b, Gun65c, Gun65a, Gun67, HH18, Her61f, Her61d, Her61e, Her61b, Her61c, Her61a, HP67, HJ67a, HJ67b, Hil73b, Hil77, Hil81a, Hil81b, HP85, Hol70, Ibb63, Jan77, Jef62, Joh87a, Kod07, Kod08, Kod11, Köl68, Köl69a, Köl69b, Köl69c, Köl72a, Kop74, Kor11, Lar66, Lew75, Lin09, LG64, Lud63, Mac65, Mac68, Mac89, Mac96, Mey63, Mor76, Ng70, OW68, Pac70, PH66, PH67, Pit67, Pom76, PW90a, Pri75, RT61, RKZ+14, RS81, Red70, Rel63c, Rel63b, Sch78b, Sko75b, Sko75a, Sko78, SM70, Smi01, Smi11, Sny93, Sny96, TS69, Tha62a, Tha63a, Tha63c, Tha63b, Tho13, VC06a, Vos73, Wie99, Woj61, ZA11, eL79, vdR63, Zag19]. **Algorithmen** [Mül90, Völ83]. **Algorithmes** [Bre78c]. **Algorithmic** [Cra12b, Che81]. **Algorithms** [Alh00b, Ano68, AH16, Bak75b, Bre80a, Bre06, Bre78c, CPCD19, CN81, CMW63, CH98, CHI+03, DeL70, Deu76, Eps75, FLR03, Fan89, Fat16, Fow93, GST12a, God20, Gra63b, Gus86, Has90, Hil73b, Int00, Int03a, Int03b, JSH+11, Knu98b, LF92, dL70, Luk77, The21, Mac89, Maj85, Mar72, Mar04a, MC87, MC90, Mil65, Mül90, Nes84, Ng75, OS72, Pen81, Rus98, Sg92, Sor94, ST99, Tan91b, TBDS11, Tem94b, Ter81a, Tro84, Völ83, WG91, WG94b, Abe16, AIS+17, Bak73, Bak75a, Bol06, BST13, Bor21c, BJM22, BM80, Bre10, CL61, CO86, CHGM99, Cra12a, DAV12b, Egb77, EH16, EL94, EM03, GA08, Gor82, Har03, Kog89, Lit89, Luk99, Mat90b, MMH93, MC89, MM90b, Mul97, Obe99, Olv80, Saw02, Sch93a, Sch93b, Sch95, Tan87, Yey92, Zag24b, Fri72]. **Algorithms** [IL07, MC87, MC90, Rix82, Tha62b]. **Algorithmus** [Fil66, Rix82]. **algoritmo** [AN68]. **alike** [BCR+07]. **all-order** [KWY07b]. **Alley** [Hei96]. **Allgemeine** [Töl68]. **allgemeiner** [von80]. **already** [FKY86]. **Alternating** [Alb62, CRZ00]. **Alternative** [ES10]. **alternierenden** [Alb62]. **AMD** [IM99a, Obe99, Rus98, Rus99]. **AMD-K7** [Rus98]. **AMD-K7**^{TM} [Obe99]. **Amherst** [TT18]. **Among** [JMMW79, Ye17]. **amplitude** [Sal89]. **AMS** [DM08, Ric92]. **Amsterdam** [GST14b]. **analiz** [PS93]. **Analog** [BH65, Bin68, Pre55, Rob55, HFS99]. **Analogue** [SR53]. **analogues** [GA08]. **Analyse** [CHG+11, Bre77]. **Analysis** [Abe88, BSY82, Das94, FP68, IM99a, IP87, Par99, Pri66, Pug04, SK11, Sle64, Sle78, Smi95, Tan91b, AGA+80, BCD+02, Bre77, Bre78b, CH78, CDJ+01, GST20, Has02, KW21, LP61, LP62, LČJ63, Mil75a, PS93, Ris79, SA00, SP61, Sob88, Tod54, Tod55, vRdL88]. **Analytic** [BG84, BS98, DB13, Ric73, Tra76, TW80, BS00, BL71, Cri82, Fer86, Kza92, LP95, Mül93, Sea84, Sko04, Ter79, Tra76]. **Analytical** [Ano98, Dar70, Fuk14a, GM04, How22, Sho60, CK89a, MWH+16, MWH+18, Van89, Hen77, Lov43, Lov89]. **Analytically** [IR08, LBC11]. **Analytische** [Hen77]. **Ancient** [BB12, Yon70]. **Anger** [Olv67a]. **Angular** [TTW79, V+75, TTW84]. **ANL** [Kuk66]. **Ann** [IEE81a, IEE81b]. **Anniversary** [Gau94]. **announcement** [SSG+18]. **Annual**

[Spr00, IEE89b, Koo91, Men06]. **Anomalous** [Gau77a]. **Answer** [Wal80]. **Antonio** [Koo91]. **any** [AG08]. **APMathLib** [ZOHR01]. **Appearing** [Squ70]. **Appell** [ABF+23, EG97, OSS09, TS76]. **Appendix** [Lov53]. **Appl** [Alz98, Ano84]. **Application** [AEF92, Hou81, IEE08, SF96, TBDS11, T+97, VDR05, Ask75, CB09, CD02, Cro92, EC79, Fab02, GS91, Hor17, LG79, LKF10, Luk56a, Luk56b, PB82, Sho86, ZXBZH01, Lef05]. **Application-Specific** [IEE08, T+97, VDR05]. **Applications** [AKS01, Ban01, BS79, Bor02, Bow53b, Bow61, Cor61, Flo15, Gre92, Gre59, Hol90, IK05, JKD92, Koe16, Leb65, LKK19, MS68, Ng77, SK11, SC01, Sid03, VS04, VS10, Wim81, XD18, AAS93, BB15, BB16, Buc69, CZ94, CZ95, CDS00, CMV69, AEF92, KS04, Kor02, Leb72, MS67, NU88, OSS09, PT80, RM07, Ric92, Sam02, SO89, TV09, Veb12, XC14, YC15, Ars62]. **Applied** [Car77b, ECSD20, HDG+15, GS91, MH08, TW80]. **Approach** [BJG+00, BM15, Gal85, Har97b, Ike76, Tal68, Bre88, BCG91, FK88, Gal86, GS14c, JS89, Kre89, Lew94, LKF10, MWH+16, MWH+18, SA00, VPK99]. **approaches** [Wan16]. **Approximable** [AMM21]. **Approximants** [Bar74, GSS12, AGJ86, Bor88, DF78, Sab08]. **Approximate** [Bee99, Lit93, Lit94, Mak80, Mar72, MLS+18, Mul20, OJL22, RX07, Via89, DK77]. **Approximating** [GW91, Ham78, Haw82, Jar12, Joh89, Lin89, NL94, SS99a, ZLA13, Boo55, BMST97, Epp89, HR05, HR07, KK96, MST89, Özb06, SLD16, Yey92]. **Approximation** [AJ03, Ach56, Ach92, ABJ19, BGV81, BM15, BM04, CPCD19, CG89, Caw00, CST18, CJL09, DB13, DiD78, Eck76, EW76, GS82a, Gil16, God01, Har66, IL07, IR08, ITY95, KL07, KP75, KS88, Kra85a, Lan64, Lin90, LBC11, Mei67, MS87, Mus87, Nor89, Osi13, PB82, PA86, POMB05, Plo96, Plo01, PLT23, Pug04, Sch99, SS97a, SF96, Sha85, SL81, SK11, Sim64, Sou57, Squ70, SS99b, VLCSFN+12, WS05a, WEX14, Wej83, WR63, Wyn60, YBR11, Yun09, Zag17, ZSA86, AQ18, AL20, AGS99, Bad76, BKKC09, Bra84, Bry02, CB09, Che16d, CL61, CD02, Cho14, Cuy94, Dan77, DAV12a, DAV12b, Dev12, Dri95, DD08, DZKK77, Ebe89, Eck77, Ell83, Fik67a, Fuk83, Fuk15d, Fuk15b, Fuk15c, GRS87, Glo89, Gor82, GS91, Hor19]. **approximation** [ITY97, JMS98, Kra85b, KSVW07, Lan59, Let96, LG79, LN22, Lor89, LSM14, LSM16, Mag94, Mar86, MC87, MC90, MRS17, MRS18, McC90, Mon83, MV98, MS15, Ost38, Peĭ63, Phi79, Pro87, Rei86, Roc82, SF93a, Sei99, Sho86, SS87, SR16, Sti59, Sun88, Tan90b, Tes69, Tim87, Ubh89, VT11, Ved93, VM87, VB81, WR96, WdZ04, Wat90, Yun14, Zwi87, vRdL88, Mei64, PT80, T.57, Zah94]. **approximation-theoretic** [VB81]. **Approximationen** [Hol69]. **Approximations** [BTT16, BS79, BCE+08, Bur63, CG55, CG94, Car75, CDR71, Cod65a, Cod66, CH67, CT69, Cod69, CH70b, CST73, Dar70, Der77, Dun94a, Dun94b, DD07, Eve63, FL67, FB91, Fie65, Fik66, Fik67b, FR98, Fra65b, Frö61, Frö63a, HCL+68a, HCL+68b, Has55, Hit57, HBS00, Hol69, How22, KPPS08, KZ90, Kra14, LB09, Luk68, Luk69a, Luk69b, Luk70, Luk75b, Mae60, Moo67, New84, Nin70, Pag77, Pri75, RS81, ST07, Sch84, SS97b, SW99a, Sho05, Spi61,

SDP11, Wad58, WC61, Wil70, Yoh70, Bla74, BEJ76, BEJ78, BBB89, BPD81, Cer07, CDS03, Cle54, CT67a, CT67b, CT68, CMV69, CPT70, CHT71, Dan77, Dun87a, Dun87b, Dun88, EG97, FW13, Fer86, FH62, GP64, Gau02, GL83, GM88, IP81, Jam99, Kas80, Kee82, Kon76, LW95, Let97, Lit93, Lit94]. **approximations** [LSM15, LM15b, Luk56a, Luk56b, Luk76, MT72, MG85, MG89, MPG92a, MPG92b, Mul06, OG82, PUHM12, Pie84b, Pow88, RM07, Rev90, Saa91, SK08, Sha76, Sie76, SE14, Spe72, Van89, Wan16, WC90, Wen07, Wes05, WBR82, ZB95, Zha95, Zha96a, ZB97, Ben83]. **approximators** [HSW89]. **April** [Ask75, Bor02, DM08, IEE13, IP87, KK99, Lan59, Tra76]. **Aptitude** [Völ83]. **Aquifer** [Har97b, Har98, Har01, Har08, PHH08]. **Arbeit** [Rut51]. **Arbitrarily** [How22, Joh20c, Joh20d]. **Arbitrary** [BH65, Bra87, Fat16, JM18, Joh21, Krä87, Lew75, LDP93, Pot14, Rot71, TS69, Bai21, BS00, Che09, DSK83, DSK84, Joh20a, Joh12, LS95, KR86, Sca71, Shi93, VC06a]. **Arbitrary-Precision** [JM18, Joh21, Joh20a]. **Arbor** [IEE81a, IEE81b]. **arc** [BBC08a]. **Architecture** [AFC10, ASA06, ALMN05, CHI+03, ECSD20, HKST99, Int00, Int03a, Int03b, LP16, PEB04, PBLM08, RJM+20, CL94a, KP98, MMW91, MM91a, MS82, ZA14, MS94]. **Architectures** [IEE08, JSH+11, LP17b, LF92, T+97, VDR05, Luk99, MMH93]. **Arcsin** [Kog58a]. **Arctan** [Kog58b, SK71]. **arctangent** [JL94]. **arctangents** [Car72]. **Area** [NKY08, SL95, Tom00, Cho14, LKH93, SR81]. **Area-Efficient** [NKY08, Tom00]. **Area/Performance** [SL95]. **Areas** [Nor89, Sha85, McC90]. **Argument** [Amo86, Amo90, Amo95, AM77, Bar61, BDL09, BS98, Chr65, GRAST16, GZ75, Kod08, Kod11, Köl72c, Mat04, Mec66, Min70, Mor76, Mor79, Smi95, Soo73a, Soo73b, Soo73d, Soo73c, Sou57, AM78b, AM79, AM84a, AM84c, AM84b, BY07, Büh87, Büh92, Büh03, Cam79, Cam81, Cam84b, Cam84a, Di 86, DGS24, Fuk10, GST04a, Gra61, HTHR94, Köl84, KRVZ98, KB86, Lew85, Lew87, Sca71, TB87, Tur72, VC06b, YM97, Zak69, Zha96b, ZB97, de 77, dT93, T.57, Tho04]. **Arguments** [Arc43, Bur74, CP98, GB68, Gau65a, GT58, Jan77, Krä87, Raf70, RL80, Tho13, TM68, Bar82b, Bar84a, Bat19, Cai11, Cob69, CJR91, CJR92a, CJR92b, GST04b, GST15a, Joh12, Krä88, Mas83, Moo81, Moo84, SG98, TB86, VPK99, Wal84, ZA24, Zag24b]. **arise** [SL83]. **arising** [BG84, GST20, Har77, Ye17]. **ARITH** [BC01, BBdD17, CLT20, IEE05, IEE21, IEE22, MSH+16, MTV15, TBL19]. **ARITH-15** [BC01]. **ARITH-17** [IEE05]. **ARITH-26** [TBL19]. **Arithmetic** [Ber84, BHK09, BB84, BB97, BB00, BB04, BCDH09, BC01, BBdD17, CLT20, DLM09, DHL+04, ES89, God20, Hul78, Hwa85, IEE78, IEE81a, IEE81b, IEE05, IEE13, IEE21, IEE22, JF16, KM95, KK99, KM91, KM07, LMT97, MSH+16, MTV15, OJL22, PL19, RJM+20, Sal76a, SO11, SOL81, Smi91, SIJ93, TBL19, Tan89b, Tan89a, Tan90e, Tan92, TT18, Ull90, Wyn62, XLW+20, von80, BG84, Bic81, BCK+93, Che71, CA00, Eps75, EMR82a, EMR82b, Flo61, GLM15, Hou81, HS20, JM17, Joh20a, Joh20c, Joh20d, KMB94, LM00, LMOT01, MT72, MH72, PH90, RN96, Sal89, Sch93a,

Sch93b, Smi01, Swa90, TRHH94, VCV01, dDM06, Atk79, HUY07]. **Arithmetic-Geometric** [BB84, Sal76a, MH72, Sal89]. **Arithmétique** [Ber84]. **Arizona** [DM08]. **ARL** [Fet81a]. **ARM** [BH07]. **Array** [Dav81, LA85, MK71, Maj72, CL95, LC97b]. **Arrays** [LE95, EM86, LE93]. **Arsenal** [Wyn62]. **Art** [IP87, MRH19, PTVF07, Toc63]. **articles** [Ban01]. **Artificial** [AGL93]. **ASAP** [VDR05]. **ASIC** [WMDM92]. **Asilomar** [LMT97, Sin95]. **Askey** [IA20, KS20]. **Aspect** [Cod67]. **Aspects** [AKS01, Gau67, Fer07, Tem94a, Tem00, Tem07]. **Assessment** [Boi97]. **assistant** [BMZ06]. **Associated** [Bra73, BL45, Cle69, Fri72, Lew58, Lew81, SJ01, Wim62, AB93, Bre18, CB12, CM13a, CE15, Che15a, Che15b, Che16c, CV03, Fre05, GQ09, Sai89, SSG$^+$18, SS65, SJ12, Wim72, Cob69]. **Asymptotic** [AS03, Bor10, BS78, CG85a, CG94, CE15, CS11, Cun62a, Din58, Din73, FO99, Kas80, KRT02, Kim72, Lóp00, ND19, Olv91, Sch64, Sle65, SZW11, SF87, Tem92, TV09, Tem15, Tho65, Wen07, Won73a, Won88, XHT16, XC17, YC15, ZZ11, AS05, Air37, Ano84, BB94, Che13b, CP15, Che15a, Che16e, CL16, Che16a, Che16c, CT16, CC17, DT09, DGS18, EW63, FLMR00, Fet79, FF54, FF57, FW85, FKY86, GST03a, GST20, JW88, Kar01, KC11, LFM14, LW14, LSM15, Luk75a, Mac72, MP79, McC83, Mor11, Par02a, Par02b, Par03, Par16, Sal83, SLH06, Tem75b, Tem78, Tem79b, Tem83c, Tem85, Tem00, TC01, Wen96, Won73b, Dop42, Sch80a, Sch68, Tri50]. **Asymptotical** [WCS16]. **Asymptotically** [Wan82, Hom98b]. **Asymptotics** [CTV96, CIM94, CV03, Har20, Mag94, Olv74, Wal96, Boe91, BBC08b, Che16b, FLO04, GG08, PW92, Tem83b, Tem86, Tem96b, Wil12]. **Asymptotische** [Dop42, Sch80a, Sch68, Tri50]. **Atan2** [dDI15]. **Atkin** [KCYL06]. **Atlantic** [AFI71]. **Atlas** [OMS09, SO87, Tho97b, Tho97a]. **ATM** [MRS17, SR16]. **ATM-forward** [MRS17, SR16]. **atmospheric** [RM07]. **atomic** [SC81]. **attempt** [Che81]. **Augmented** [BJK$^+$11]. **August** [BL91, Bro07, Gau94, HY14, Mar85]. **Austin** [IEE13]. **Australia** [KK99, Lav80]. **autocorrection** [Lit93, Lit94]. **Automated** [Rev16]. **Automatic** [Bal00, Cah54, Che72, DeL70, Gra02, LM15a, dL70, MS82, Pie82, Pie84a, SZ70, SZ74, SZ76, VM19, AK93, AOB64, AN68, HXX22, Lin57, Wen64]. **automatically** [MS03, dLSG18]. **automatico** [AN68]. **Auxiliary** [LDP93]. **available** [Bur82]. **Average** [LB09, CD02]. **avoiding** [Hom99]. **Axis** [Zag19].

B [Kö l90, Bor19, MIT$^+$95, Sab08]. **B-splines** [Sab08]. **Babbage** [CK89a]. **Babylonian** [FR98, Mur88, Mur99]. **background** [Kog89]. **Backward** [OS72, Tha79]. **Backwards** [Fat16]. **Bad** [MT85, MT86]. **Balanced** [BS98]. **Baltimore** [IEE99]. **band** [LP62, RX07]. **band-limit** [RX07]. **band-limited** [LP62]. **Bandlimited** [Osi13]. **Bandwidth** [Bru22, Far81]. **Bartky** [Bul69a]. **Bartky-transformation** [Bul69a]. **Base** [CVV65, Fet81a, Has66, LC87]. **Base-** [LC87]. **Based** [BO93, BEM12, DB13, GZC22, HAK91, KZ90, NS09, Sho05, SL07, Tal68, WMBE14, WG94b, BK16, Che16b, CHGM99, Dev12, DR04, HFS99, Kru99,

KI16, LF92, LFM14, LSM15, Mac94b, MC87, MC90, MRS17, MRS18, Mat90a, Nis94, OJL22, PUHM12, PLT23, RdC93, SdCR97, TVG00, WG91, Yun09]. **Basel** [Ull90]. **Bases** [Sau93]. **Basic** [Ars68, Gas81, Kuk71, CIM94, Joh88, Kra95, Sch80b, Shi93, Ver77, DF84, VCV01]. **Basis** [AH10, Yon70, Hig77, Mul85a, Pow88, KR86, Sun15]. **Bateman** [IA20, KS20]. **Bath** [KM95]. **Bayesian** [JKD92]. **BCD** [Sch73]. **BCY** [Che81]. **Be** [PW76, DGB82, AK09]. **beach** [Ehr89]. **Behandlung** [Mei64]. **behaved** [Vai89]. **behavior** [Büh87, MP79]. **Belgium** [IEE08]. **beliebige** [Krä87]. **beliebigen** [Bra87]. **beliebiger** [Rot71]. **Bell** [NR15]. **Bemerkung** [Bau89]. **Bemerkungen** [Rut51]. **Benchmarks** [WOG95]. **Ber** [Her61f]. **Berechnung** [Fil66, Rot70a, Rot71, Sti53, von84]. **beregner** [Ped80]. **Berkeley** [Liu87]. **Berlin** [Gre16, AGA+80]. **Bernoulli** [Che88, Fil92, Har14, HG64, KB67]. **Bernstein** [Bor82, Cri82, Hei88, Tim87, Whi82]. **Beruf** [Bar14]. **besonderer** [Völ83]. **Bessel** [Ano84, Bra70, Sko75a, Tho04, VRS+99, Wim72, AS97, Abr45, Air37, AJDG02, Amo74, ADW77a, ADW77b, Amo78, Amo86, Amo90, Amo95, Ano46, Ano48, Ant64, AM77, AM78b, AM79, AM84a, AM84c, AM84b, AWH13a, Ars81, BC79, BDGP13, BDGP14, Bal00, BL96, BGV81, Bar10a, Bar10b, Bar81, Bar82b, Bar84a, BA44, Bea58, Ben98, BK78, Ben83, BH65, Bin68, Bla74, Boe91, BST13, BO75, BBC08a, Bow58, BPD81, Bur74, Cai11, Cam79, Cam81, Cam84b, Cam84a, Cha82, CIM94, CY18, CP66, CMF77, Cod83, Col80, CM83, Col84, CU59, CV03, Cur64, DCL+92, DTLM98, Del79, Del84, DC81, ES99, EL01, Elb01, EM94, Fab02, Fat16, FS92, FMC82, FO93, FKY86, Gab79, GKK00, GP64, GS81, Gau64a, Gau65b, GS78, GF97, GST02d, GST03a, GST04a, GST04b]. **Bessel** [GS14a, GF88, GL83, Gla74, Gla81, GT58, GT59, GCP67, Gra61, GM88, Har00, Har08, HF09, Har09b, Hil77, Hin77, Hit57, Hor17, Hum85, ISK87, IS88, IS90, IKK91, IS92, Ike76, IKF91, Ism77, Jab94, JL12, KW21, Kas80, KT00, KRT02, KKI67, Kor02, Kra14, KRVZ98, KB86, Laf86, Laf91, LM93, LW96, Lar69, Las82, Leh44, Len76, Len90, LG79, Lew69, LW82, Lin72, LK73, Lir71, Lóp18, LU96, LM08, LO93, LS95, Luk59, Luk64, Luk71a, Luk71b, Luk72, Luk75a, Mac94b, Mak65, Mar95, MG85, MG89, Mas83, MS68, Max91, McL34, McL55, Mec66, Mec68, MV98, Mul95, Nag01, Nas74, NR15, Nes84, NF63, New84, O'B80, Olv64, Par09, Par72, PSS03, PS77, PS79, PB82, Pie82, Pie84a, Pie84d, Pie84b, Pie84c, PA86]. **Bessel** [PT91a, PT91b, Puo88, Rap94, Rap01, Rap14, RdC93, RKZ+14, Saf10, Sai89, Sal83, Sca71, Sch64, SdCR97, SG99, SS10, SS23, Sol69, Soo73a, Soo73b, Soo73d, Soo73c, SA57, Tak22, Tal83, Tal84, Tal09, Tem75a, Tem76, Tem79a, Tem81, Tem86, Ter81a, Ter81b, Tha79, TB86, TB87, VC06a, Vel11, VRS+95, Wal84, Wat66, Wat95, WC90, Wil71, WBR82, Wim62, Woj61, XD18, YM97, YM03, Zai93, ZB95, Zha95, Zha96a, Zha96b, ZB97, Zhu10, de 77, dT93]. **Bessel-function** [Boe91]. **Best** [Hol69, Nin70, SS87, Zwi87, Kee82, Mag94, OG82, LW96, LU96]. **bester** [Hol69]. **Bestimmung** [Hol69]. **Beta**

[BB74, BL94, DJ67, DM88a, DM92, OM68, PSB76, Sau92, Wis48, Gau64c, Gau64d, Lud63, Tem75b, TW80, PH67]. **Beta-Function** [DJ67]. **Betrachtungen** [Rut63]. **Betriebssystems** [Rot70b]. **Better** [BBD03, Wes05, BD02, LM00]. **Between** [BJG+99, Hin77, Lar69, Lef05, Car69, QL19]. **beyond** [Ars81]. **Bibliography** [Ein79, Ful80]. **Bickley** [BEJ78]. **bicomplex** [Tre80]. **biharmonic** [Mon83]. **bilinear** [Töl68, Töl68]. **Bilinear-Entwicklungen** [Töl68]. **billion** [BBB89]. **Binary** [Che71, CVV65, DeL70, Har09a, Has66, LA85, dL70, Maj72, Mar72, Pat18, Por20, Rot70a, Bak76, CKL89, FHL+07, Hig93, RN96]. **binomial** [Kra95]. **Bipartite** [SS97a, SS99a]. **Birmingham** [IP87]. **BIT** [Frö63a, Kah87, RHMLL08, Ziv91, LMS73, Per85a]. **Bit-Parallel** [RHMLL08]. **Bits** [Pat18]. **Bivariate** [Cad51, Div79, Dre78, JKMR11, LW89, Ruy89]. **BIZ** [GST02b]. **BKM** [BKM94]. **BLAST** [Has00a, Has00b, ZLC04]. **Blinn** [Bli97]. **Block** [Cas83]. **Boca** [Lip21]. **body** [CZ10]. **Bombelli** [RS98]. **Book** [Ars62, Köl87, Köl90, Lip21, Wig67, BBB97, BBB00, BBB04]. **Boolean** [Bel89, CG89]. **Boost** [BD99]. **bootstrap** [LW89]. **borné** [Del81]. **Borwein** [Bre17]. **Borweins** [Bai88]. **Bose** [Din58, Mac97, NDT69]. **Boston** [ACM87]. **both** [RX07, Sca71]. **Boulder** [Mul82]. **Bound** [AMS76, Jan11a, Jan11b, BJ15, BMST97, Cha82, CPG12]. **Boundary** [LL09, AO08, Cro92, JS89]. **boundary-value** [JS89]. **bounded** [Del81, GK89b, HR88, Zie89]. **Bounding** [Düm10, HKA93, Iac21]. **Bounds** [Alb62, Amo73, BST13, CCM11, FK11, IS88, Laf91, MDM16, Olv67a, Olv88, Rot70a, Tro84, WLK11, Yoh70, Yoh73, AM89, Bel89, BW89, Cer07, CD02, CDS03, Fre09, ISK87, Kra98, LW96, LKF10, Lit89, LU96, MJ13, Mor14, Par02a, SS98, YCZ15]. **Bourbaki** [Laz85]. **Bowman** [Ars62]. **box** [DR89]. **Boys** [WO15]. **Bozeman** [BL91]. **Brahmagupta** [KB89]. **BRAM** [PLT23]. **Branch** [Har97a, Jef17, Kah82, Kah87, Sht19]. **branches** [JHC96]. **Braunschweig** [BCD+20]. **Brent** [BJ15]. **Briggs** [AM12]. **Brighton** [IEE89a]. **British** [Gau94]. **Broadening** [WKG66]. **Brook** [Cow77]. **Build** [Sal92]. **Built** [Cow64]. **Built-In** [Cow64]. **bulk** [AM89]. **Bureau** [Low49, Mul82]. **Burnside** [Che16e, LFM14, LSM15, Qi14]. **Byrd** [Fet81b, Köl97].

C [Fet81a, Köl87, Sha76, Bak92b, ISO10, Joh12, Kor11, Lau95, MHSK16, Sch88b, Sel93, SP20, Tho97b, USE88]. **C249** [Mar86]. **C9X** [McC02]. **CA** [IEE78, SE11]. **Cairo** [Wah04]. **cake** [Bel89]. **Calcolo** [RS98, AN68]. **calcul** [Che88, Mul85b, Mul86]. **calculate** [Ped80, RdC93]. **calculateurs** [Ber84]. **Calculating** [Bag95, Gel51, God20, Kal34, Kod11, LaF54, Raf70, Sal51a, TS76, Abe16, AOB64, DSK83, DSK84, Jab12, Jab13, Jab20, MKS83, Tal83, Tal84, Tal09]. **Calculation** [AS54, Chr62, DJ67, Div79, DP92, Eve63, Fet65, Fet67, Fik66, FW84, Gau99, Gel51, GLR07, GT59, Har97b, Hon71, Kin21, Kin24, Kin07, Lin57, LP83, Mec66, MKY92, MM91b, Mor80, Mor78, Mor99, Pot14, KR86,

Saa91, SH72, SR53, SF59, Spi71, Str68, TM68, War60a, ZA24, Zak69, vdLT84, Air37, AN68, Bel58, Bul65a, Bul65b, Bul69b, Che88, DM91, FMC82, HvdR63, Hor17, JL12, LR74, Len90, Mid75, MH72, MWH+16, MWH+18, Mou67, Mul85b, Pan59a, RL76, RS98, Sal89, Saw02, Sti53, Tak22, Tur43, VRS+95, VRS+99, Wei98, Zag24b, Köl87]. **Calculations** [DLM09, DPC95, GLT+15, Hen77, KKI67, Kor11, Len76, AJ03, Sal76b, Tri66, Tur53, Yar67]. **Calculator** [Hen77, MW83, Nor89, OMS09, Pag77, Egb77, Lin89]. **Calculators** [BR73, Cus83, Der77, Kir88]. **calculus** [FS96, SO89]. **California** [ES89, LMT97, MSH+16, Sin95]. **Cambridge** [IEE89c]. **Canada** [Bro07]. **Cancellation** [CM13b]. **cannot** [DGB82]. **Canonical** [Rap01]. **capability** [Bic81, LMT+92]. **Cape** [IEE05]. **Capital** [MMH89]. **Carathéodory** [Mag94, VT11]. **Carathéodory-Fejér** [VT11]. **cardinality** [Was89]. **Carefully** [HH18, Wil96]. **Carlson** [Gra02, JKD92]. **Carnegie** [Tra76]. **Carnegie-Mellon** [Tra76]. **Carolina** [BCEP94, IEE89b]. **Cascaded** [KNS95]. **Case** [Cas83, EH16, OLHA95, Sle78, Sou57, Eck77, Ein89, Gau11, Har20, Kra98, KI16, LW96, SK08, Sko04, T.57]. **Cases** [Car89, LM03, LSZ08, SLZ05]. **Caslin** [Fet81a]. **Cause** [Zag19]. **CD** [Spr00]. **CD-ROM** [Spr00]. **CDC** [ADW77a, ADW77b, Amo78, Cod64]. **CDC-3600** [Cod64]. **CDF** [Sho05, YBR11]. **CELEFUNT** [Cod91, Cod93a]. **cell** [JL94, AK09]. **cells** [MO18]. **Cellular** [MK71, Maj72, CL95]. **censoring** [Ruy89]. **Centenary** [BCEP94]. **centennial** [AGA+80]. **Center** [Ask75, IEE85, AGH89, Saf10, Vai89]. **center-unstable** [AGH89]. **central** [GST15b]. **Century** [Lid01, Lid02, Bre00, Gau94, Hay99, Plo96]. **Certain** [Ano46, DeL70, Deu76, Erc73, Lan60, dL70, Pan59a, Sch64, Sri70, Ver77, Abr45, Akr85, BC79, BL71, CCV11, De 91, EW63, GK70a, Kra85a, Las82, Leh71, Lew94, LP95, MM95, MM98, RX07, SS93a, Sie76, SZW11, Win70, ZSA86, ZZ11]. **Certification** [Ber68, Bra64, Bra70, BL94, Cob69, Far69, Gau64d, Gau65b, Gra64, Köl69a, Köl69b, Köl72a, Kop74, Lar66, Lew75, Mey63, Ng70, OW68, RT61, Soo73d, Soo73c, TBDS11, Tha62a, Tha62b, Tha63c, Tha63b, vdR63]. **Certified** [CJL09]. **Certifying** [dDLM11]. **Cesaro** [MS87]. **chain** [Paw11, Wil96]. **challenging** [Sid06]. **Chandrasekhar** [Jab12, Jab13, Jab20]. **Channels** [LB09, CDS03, SA00, SA05]. **chaos** [PH90]. **CHAPLIN** [BD14]. **CHAPLIN-Complex** [BD14]. **Chapman** [Lip21]. **character** [BB16]. **Characteristic** [Fri72, AB88, Bos89, Fuk09b, McN73, Cle69]. **Characterizing** [Kee82]. **charge** [MO18]. **Charles** [CK89a]. **Chebyschev** [BH63]. **Chebyshev** [CT67a, Frö63a, Hol69, Per87, Bar61, Bla74, BEJ76, BEJ78, Boy89, Boy01, Boy14, Cle55, CP66, Cod65a, Cod65b, Cod66, CH67, CT67b, CT68, CT69, CMV69, Cod69, CH70b, CPT70, CHT71, CST73, CM83, Dar70, Del79, Del84, EW76, FP68, Frö61, GP64, GCP67, Hum64, KP03, LLK14, Luk76, MT72, MH03, Ném65, NDT69, Per85b, Pie84b, Pri75, RS81, Sch78c, Sch80b, She74, She76, SL81, Tan90b, Wat90, WC61, WBR82, Woo67, ZB97]. **Checked** [Rus98, Rus99]. **Chemie** [Sne63]. **Chemistry** [Sne56, Sne61, Sne80, Sne63].

chemists [Wen09]. **Chernoff** [CCM11, CPG12]. **Chernoff-Type** [CCM11, CPG12]. **Chester** [IL07]. **Chi** [HP85, Rob69, Tho65, eL76, GST15b, SLD16, HP67, OW68]. **Chi-Square** [Rob69, GST15b, SLD16]. **Chi-Squared** [HP85, eL76, OW68, HP67]. **Chinese** [Che81, Liu93, XLX+83, XL94, Yon70]. **Chip** [MLS+18]. **choice** [Ge89]. **choices** [SL97]. **Cholesky** [Sch84]. **Choong** [Sha76]. **Choosing** [SL97]. **CIMPA** [HUY07]. **Circles** [Kin21]. **Circuit** [IEE89a, MIT+95, MCT18, Bel89, CCC96, CP99, HFS99, MI97, SL63]. **Circuits** [DM88b, Maj85, OTY91, Bel89, KK98, Liu95]. **Circular** [Ano74, DJ62b, DJ62a, Ken14, Ken21, WD61, Zuc64, ZS08]. **City** [AFI71]. **Civic** [IEE85]. **Clara** [MSH+16]. **Clarification** [ACG+87]. **Class** [DeL70, Dub83, Gla81, Lir71, dL70, CR08, Cro92, GQ09, Gus78b, Gus84, Mak80, MM95, Mos69, Som82]. **Classes** [OG82, Cri82, Kaz65, Liu93, Lu14, SZW11, Ubh89, ZZ11]. **Classical** [Loz00, PS05, Tem96a, BG84, Håv81, Ye17]. **Clebsch** [Buj75, Gun65a, RB75, SM77, SM78]. **Clebsch-Gordan** [SM78]. **Clever** [Kah04]. **Close** [Har66]. **Closed** [GW71, Jan11a, Jan11b, RM07, XC15, CTV96, Dav88]. **Closed-Form** [Jan11b, Jan11a, RM07]. **CMOS** [HFS99, TRHH94]. **co** [DMS95, USE88]. **co-processor** [DMS95]. **Coaxial** [Kin21]. **Coconut** [AK09]. **Cod** [IEE05]. **Code** [BdDKL15, KL14, RdC93, SdCR97]. **Codes** [FLR03, Gus78a, SG99]. **coding** [Flo61]. **Coefficients** [Bra65, Buj75, Der77, RB75, SG76, Str56, Boy09, FNC75, FW80, Fra81, Gun65a, Luk56a, Luk56b, Pan59a, Pan59b, Sch76a, Sch77a, SM77, SM78, SMCH41, WV20, Ye17]. **Coerror** [Amo73, Gau77b, Gau16]. **colleagues** [Bir54]. **Collection** [WNO94, Bat19, Sne63]. **Collective** [Sti88]. **College** [MC87, MC90]. **Colorado** [BC01, Mul82, Luk99]. **Coloring** [PP12]. **Columbia** [Gau94]. **Combination** [LA03, Lit83, Sho86]. **combinatorics** [GI01]. **Combined** [LM95, Nan11, ALB98, LM99, NL99]. **combining** [EL89a, MI97]. **Comment** [T.57]. **Comments** [Fat16, Kuk66, Tra60, DD08]. **Common** [BK78, Ben83, DMS95, LM07, PSS03]. **Commun** [Tho04, VRS+99]. **communication** [SA00, SA05]. **Communications** [BS79]. **Comp** [Fra81, Lew87, Per87, Sha76, Wim72]. **Compact** [Caw00, Sch99, CK88, Whi82]. **Companion** [HDG+15]. **compare** [QW06]. **Compared** [JJ65]. **Comparison** [And82, Ng75, SL95, LMS73]. **Comparisons** [FLR03]. **Compatible** [Tay81]. **compensated** [Bor21c]. **compile** [Mul06]. **Compiler** [DG99]. **Compilers** [BD99, LKK19]. **complement** [CL94a]. **Complementary** [Bai17, Cod90, FCC73b, VM19, Chr62, EL08, FCC73a, HR72, Phi79, RM07, Zag24a, Zak69, HJ67b]. **Complete** [AVV90, AVV92, Cod65a, Cod65b, Cod66, FC64, Goa95, Mer62, OM68, QGG10, QV96, Sko78, War60a, BZ92, Boy15, Fet81a, Fuk09a, Fuk11, GM07, Ism77, MH72, Mor78, PDK96, Qi14, RT89, Far69, Her61d, Her61e, Lar66, Tha63a, Tha63c, Tha63b]. **Completely** [QL19, BP01, CE15, CP15, Che15b, GQ09]. **Completeness** [Hig77].

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[Lef05, Pom74, Pom76, dLSGDR17, Sau92, SS93a, BWKM91, CZ10]. **Exactly** [SS94]. **examine** [Wil96]. **Example** [Bol06, Plo96]. **Excellence**
[Lid01, Lid02]. **Exception** [HFT94]. **Exchange** [ABJ19, SR81]. **Execution**
[Bai93]. **Exercise** [BB12]. **Existence** [Som82, Wan74]. **existing** [FKY86]. **exp** [BBC08a]. **Expansion** [BH63, FO99, Kim72, Luk59, LC61, NDT69, PL19, Pie84c, Sch64, Tho65, Van69, Won73a, Won88, Wyn60, AS97, AS03, Ali11, CG85a, Dij77, Ehr89, Fet79, GST03a, GS14c, HL13, Kal04, KWY07a, KWY07b, LW14, MMV81, McC74, Nag01, NP18b, Par02a, Par02b, Par03, Par16, PHH08, Sch76a, Sch77a, Tem79b, Tem81, TC01, Won73b]. **Expansions** [Boe69, Cod65b, Cur64, Din58, FW61, GHT03, Hom98a, Hum64, Lóp00, Olv91, SR53, She74, She76, Sle65, Tha61, Wim62, WR71, Woo67, AS05, BF92, Bor10, BJLP19, CE15, CP15, Che15a, Che16e, CL16, Che16a, Che16c, CT16, CC17, CM83, CB87, Din73, Dom03, DGS18, Fuk12, Fuk14a, Har00, Hum85, Kat78, Lan80, LT13, Lóp18, Luk75a, Luk76, Mac72, Nag04, ND19, Ném65, Rza12, Sch78c, Sch80b, Tem75b, Tem78, Tem83c, Tem85, TV09, Wim72, XHT16, XC17]. **Explanatory** [Ful81b]. **Explicit**

[Buj75, McC84, RB75, GF97, Kra14, OG82]. **explicitly** [SE14]. **Exploring** [Sho02, SL97]. **Expm1** [Tan92]. **Exponent** [BHK09]. **Exponential** [AAHTH10, AS10, Bee99, CET62, Caw00, CLOT86, CT69, Cor61, Fri72, FK11, Gau59, GC64, Gau73, God20, HJ96, HA86, Kar84, Köl87, LP17b, LSZ08, Mil85, Ng70, OJL22, PS11, PEB04, Red70, Sch99, SMG94, Smi11, SZ74, SZ76, Sto41, Tan88, Tan89a, Tan90a, WLK11, Zuc64, BSW95, Bea60, Bor10, Bra84, BT99, Che71, CD02, CDS03, CLM88, CO80, CT68, DR04, Dri95, DR89, Fog51, GHT03, GEK04, Har00, Has02, Hit74, IP81, JMS98, Kan96, KSVW07, Luk56a, Luk56b, Mag94, MNP83, NP18a, Ng84, Olv94, PBE03, RT61, Ran77, Sab08, SZ77, Sti53, WdZ04, XC14, XC15, dDP10, vdLT84, Her61b, Pac70]. **Exponential-Type** [FK11]. **Exponentially** [Olv91, PW92]. **Exponentially-improved** [PW92]. **Exponentials** [Che72, ZLA13]. **Exponentialsummen** [Sti53]. **exponentiation** [CC69]. **Expression** [Cun62a]. **Expressions** [BFHT85, MDM16, Sho60, SF10]. **Extended** [CQSP04, SOL81, KPPS08, KA71]. **extended-precision** [KA71]. **Extended-Range** [SOL81]. **extends** [GP84]. **Extension** [ARH14, GZC22, Hea65, Rus88, Bul69a, Dav35, Ge89, Kai89]. **Extensions** [Ein89, ISO10, Sle64, Ker83]. **Extracting** [Esc37, Pen81]. **Extraction** [BR73, Lan42, MK71, Maj72, Mur88, Mur99, BDGB83, GREL96, Hay99, Joh11]. **Extractor** [HAK91]. **extracts** [Fre81, Lov53]. **Extrapolation** [Bre82a, BR91, GSS12, Sid03, Bre80b, Håv79, Håv81, Saf10, Wal96]. **extreme** [YM03]. **Extremely** [TKK17].

F [Ars62, Coh12, Fet81b, Köl97, Leh83b, Szm13]. **Faber** [Ell83]. **factor** [Air37, Car91]. **Factorial** [BC18, Bor10, Fer07, Wen10]. **Factorization** [JF16]. **Factors** [Car92, Din58, Sch84, CF00]. **Faddeeva** [Joh12]. **Faddeyeva** [Zag16, ZA11, Zag17]. **Fading** [LB09, SK11, CDS03, SA00, SA05]. **Failure** [KI04, Wan82]. **Faithfully** [GLT+15]. **Fall** [AFI69]. **Familiar** [BB88]. **Families** [AS10, FW13]. **family** [NS13]. **Fast** [AM20, Ahr96, Ano12, Bee99, BY19, BS06, Bor21c, BB84, BZ92, BB97, BB00, BB04, Bre75a, Bre76a, Bre06, Caw00, CH89a, CH89b, CJL09, Fuk09a, Fuk09b, Fuk10, Fuk15a, GST11b, GLR07, Gus86, HT13, Har09b, Hei96, HJ96, HMO19, ITY95, JGB13, Joh14b, JF16, JM18, KB90, KP98, Mar05, MWH+16, MWH+18, NP18a, RW72, Rol87, Sch99, Sor94, Tak22, Tro84, WMC21, WG91, WG94a, WG94b, WG95, Ziv91, Bak76, Bun09, Bur82, Cra06, DMMM95, Fuk11, Fuk13a, Fuk15d, Fuk15b, Fuk15c, GEK04, Has00b, Lyo91, Mar03, Mit92, OGWY94, PKS00, Phi79, Tan90b, Tom00, WMC18, Zim00, ZA14]. **Fast-Start** [Mar05]. **Faster** [Bow53a, Fil92, LKK19, DM91]. **fatigue** [Sob88]. **Favard** [GS82a]. **Feasibility** [Dun90, Via89]. **February** [Koo91]. **feedforward** [HSW89]. **Fehlerabschätzungen** [Krä87]. **fehlerhaften** [Bra65]. **Fehlerschranken** [Alb62]. **Fejér** [Mag94, VT11]. **Fermi** [CT67a, MN16, BDM81, CT67b, Din58, Fer86, Frö63b, Fuk14a, Fuk14b, Fuk15d, Fuk15b, Fuk15c, GOST23, Goa95, Let01, WR63]. **festschrift** [Zah94]. **Fibonacci** [RS98]. **Field**

[LE95, Ngu98, Ehr89, LE93, OSS09, Töl69, Töl70]. **Fields** [ARH14, HCK09, Mül04, Sch85, KCYL06]. **Fifteenth** [Plo96]. **Fifteenth-Century** [Plo96]. **Fifth** [Ded26, SC01]. **Filter** [MKY92]. **find** [Che81, LG79, NS13]. **Finding** [AMM21, CH70a, Bre75b, Bre76b, Jam89, KI04, Lyo91, Vai89]. **Finite** [BM15, Bus74, HCK09, Lew69, Mül04, Sch85, Fog51, Hai60, KCYL06, LG79, LU96, Mon83, OWS+14]. **First** [Ban01, Bar10a, Bea58, Bra70, Car77a, Cod83, DH59, ES99, FL67, FK11, Gau64a, Jab94, LW63a, LW63b, Pie84c, Ree90, Sko75a, Van69, Vel11, BL96, BZ92, Boy15, CG85a, Cha82, Cob69, CV03, DAV12a, DAV12b, Fet81a, Fuk10, Gau65b, Her61d, HvdR63, ISK87, IS88, LW96, LU96, Mor99, Sca71, SG99, Tha63c, Wal84, YM97, Zai93]. **First-Order** [FK11]. **fits** [Ran77]. **Fitting** [Sto41, BCG91, Phi79]. **Five** [MW83]. **Five-Function** [MW83]. **Fixed** [HHR00, IP17, MLS+18, dDIS13, dDI15, LBdDM16, Vav89]. **Fixed-Point** [IP17, MLS+18, dDI15, dDIS13, LBdDM16]. **FL** [Lip21]. **Fleshing** [MS16]. **Flexible** [IP17]. **Floating** [AAHTH10, Bli97, Bra87, CH98, D+89, DHL+04, GB91, Has90, Hul78, JKMR11, JMMW79, Kah80, KMB94, LP16, LP17a, LP17b, LM15a, LD89, MMNP91, Obe99, Rev16, Rus98, Sch88b, Smi91, Ste08, Tan89a, Tan90e, Tan92, WS05b, dDP10, dDLM11, BBC+91, BWKM91, BCK+93, Bol06, BMR04, CHGM99, FHL+07, GLM15, Hou81, HS20, JM17, Kra98, Kul07, LBdDM16, LKH93, LC97a, LMOT01, MT72, Mat90b, OY91, OJ04, PKS00, Rus99, SF93b, Smi01, SL97, Ste89, TE06, TRHH94, VCV01, WN03, dDM06]. **Floating-Point** [AAHTH10, Bli97, Bra87, CH98, DHL+04, Has90, Hul78, JKMR11, JMMW79, Kah80, LP16, LP17b, LM15a, LD89, MMNP91, Rev16, Smi91, Tan89a, Tan90e, Tan92, WS05b, dDLM11, dDP10, BBC+91, BCK+93, Bol06, BMR04, CHGM99, FHL+07, GLM15, Hou81, HS20, JM17, Kra98, LBdDM16, LKH93, LMOT01, MT72, OY91, OJ04, PKS00, SF93b, Smi01, SL97, Ste89, TRHH94, VCV01, WN03, dDM06]. **Florida** [Men06, Ric92]. **flous** [AEF92]. **flow** [Joh83]. **flows** [Fei78]. **fly** [EL89b]. **FNLIB** [Ful81b, Ful81a]. **following** [Laz85]. **fonctions** [Ber84, Laz85, Mul85b, Mul86]. **Force** [Fet81a]. **Forensic** [BB12]. **Form** [AMS76, GW71, Jan11b, CTV96, Dav88, FI94, Jan11a, Mar95, RM07, Tem85, Wal84]. **Formal** [Har03, MRH19, Rus13, Saw02, Bol06]. **Formally** [BDL09, Wyn60]. **Format** [LSZ08, MMNP91]. **Formats** [Krä87]. **Formeln** [Bar14]. **Formelsammlung** [Sne63]. **Forms** [Ric65]. **Formula** [Adl12, Chi20, Sau92, Spi71, Sun71, CL16, FNC75, FO93, GF97, Har01, KC11, Kza99, LFM14, LSM14, LSM15, LM15b, LSM16, Mak80, Mei83, Qi14, Sch77a, Sne63, Wei98]. **Formulae** [Kin21, KP03, Wim68, Zwi03, Akr85, Ben98, Jam89, RX07, Ver77]. **Formulas** [AS64, Boe61, Buj75, Car70a, Coh12, DH59, Gas81, LW63b, MO49, MOS66, RB75, Sal51a, Ske86a, Ske86b, Bar14, Che13b, Che15a, Che16e, CS11, FKY86, Kza92, Let96, Mor11, OSS09, Sim64, WCS16, XC15, YC15, LW63a, Wig67, Szm13]. **Forth** [Koo91]. **Fortran** [DG99, HH18, Amo83, Bai93,

Cod93b, DM87, HKA93, KDDH92, Kuk66, KA71, Sca71, Smi91, BD14, CZ10, Col80, Col84, DG99, EC13, GST02b, GST02c, GST12b, GN89, KDDH94, Mil04, NSU20, SSG+18, Sht19, Smi01, Tho97a, WNO94, Wie99, Zag16]. **Fortran-77** [KDDH94]. **Forum** [IEE99]. **Forward** [LDP93, MRS17, SR16]. **foundational** [Fer07]. **Foundations** [IEE89b]. **Four** [Boy15, Cus83, DMS95, HFS99]. **Four-Function** [Cus83]. **four-quadrant** [HFS99]. **Fourier** [AO08, Boy89, Boy01, Boy09, CZ95, HBF09, Hom98b, LP61, LP62, Lan80, MS87, Ole96, SP61, Sle64, Sle78]. **Fourth** [Atk79]. **Fox** [MM95]. **FPGA** [DR04, TVG00]. **FPGA-based** [DR04]. **FPGAs** [IP17, LP16, LP17a, LP17b, LC97a, PLT23, WN03, dDP10, dDIS13]. **FPU** [AHM+98]. **fractals** [PH90]. **Fraction** [Bar74, She54, Smi95, Spi61, Bar82a, Cha80, Che13a, Dij77, Gau77a, Kra89, Lee92, Len90, LSY15, LM15b, LSM16, MM90a, McC74, McC83, SdCR97]. **Fractional** [Ano46, Ant64, CMF77, GCP67, MG85, PT91a, PT91b, Sai89, VM87, ZZ96, Abr45, CP66, GM88, KT00, KRT02, MG89, MPG92a, MPG92b, Nis84, SO89, TV09, Tim87]. **Fractions** [CPV+08, Len76, Mor64, Pas03, SB71, BC09, BHJ05, BZ92, BS78, BS83, Hau88, JW88, Lan80, Lem88, Lev91b, Lev91a, Now06, Pas92, RdC93, Sha76, Spe72]. **framework** [Per85a]. **France** [Ano03, Ano06, Bor02, KM91, MTV15, KM07]. **Francis** [Lip21]. **Franklin** [NP18b]. **FRB** [CZ10]. **Free** [ES10, LF92, CZ10, HTHR94, Joh12, LLK14]. **free/open** [Joh12]. **free/open-source** [Joh12]. **French** [Ber84, Bre77, Bre78c, Che88, DGB80, Del81, Laz85, Mul85b, Mul86]. **Frequency** [Hil73a]. **Fresnel** [Sny21, Act74, And00, Chr62, Cun62a, Cun62b, Cun62c, Fle68, Gau64e, Gra63a, Gra63b, Gra64, LG64, Ném65, Sny93, Sny96, ZA24]. **FRG** [MT85, MT86]. **Friedman** [Fet81b, Köl97, NP18b]. **Friendly** [BEM12, WMBE14]. **friends** [Bir54]. **Fritz** [Wig67]. **Fukuoka** [Ano91]. **full** [AHM+98, Bol06, LKKH99, Spr00]. **Function** [AS95, AM20, Ahm89, AAHTH10, Amo83, AK09, AWH13b, Bai17, BTT16, Bar61, BY07, BJG+99, Bee17, BM15, BBM84, BH18, BP67, BS79, Bor95b, BBC98, BBC00, BCE+08, BEM12, BI86, CET62, Car63, Car75, Caw00, CCM11, CM13b, CR68, Chi20, CH67, Cod69, CST73, Cod75, Cod93b, Col78, Cus83, Dav64, DHL+04, DJ62b, DJ62a, DJ67, DM86, DM87, DM88a, DiD90, DM92, DD08, Eck76, Ekl01, ES99, ECSD20, FLR03, FCC73b, Fik67b, FK11, Ful72, Ful77, GB68, GZC22, Gau61, Gau64e, Gau69a, Gau77b, Gau16, GST02d, GST12a, GST14a, GRAST16, Gil16, GZ75, Gla66, God20, GBS19, Gus86, HP62, Har97b, Har98, Har09b, Har66, HG64, Hea65, Her61f, Her61a, HJ96, Hil77, How22, HA86, Hum64, Iac21, IP17, IR08, Jan11a, Jan11b, Jar12, JKD92, Joh21]. **Function** [KL07, KDDH92, KDDH94, Kim72, Kol70, Köl72c, Kol72b, Köl87, Kor11, KK20, Kuk66, Kuk71, Kuk72a, Kuk72b, Laf84, Lan64, LSZ08, Leh44, Let01, LDP93, Lin79a, Lin72, Liu87, LBC11, LT71, dL70, Luk59, Mac89, Mar65, Mat04, MR71, MLS+18, Mil85, Min70, Moo67, Mor80, Mor76, Mor79, MW83, NSR10, NF63, Ng75, OMS09, Olv91, OM68, Pag77,

PW76, PH66, POMB05, PW90a, PW90b, PLT23, Raf70, Rei69, Sal51a, Sau92, ST07, Sch64, Sch16, Sch78b, Sch76b, Sch77b, Sch99, SS97b, SS97a, SG02b, SB71, SK11, Sou57, Spi71, Sri07, SLZ05, SS99b, Sto41, Str68, Sun71, Tak66, Tan88, Tan89a, Tan90c, Tan90e, Tan92, Tem75a, Tho87, TKK17, Vel11, VM19, WS05a, WEX14, WMBE14, WC61, Wis48, WG91, WG94b, Woo67, Wre68, WLK11, Zag17, Zag19, dDLM11]. **function** [AJ03, AS97, AS03, AQ18, Ali11, Alz93, Alz97a, Alz97c, Alz98, AR99, Alz03, Alz08, Alz10, ABF$^+$23, AG08, AM78a, AB93, BC79, Bad76, BB15, Bak92b, BSW95, BGV81, BS00, BP01, BEJ76, Boe91, BS06, BF92, BST13, BO75, BZ92, Bor95a, Bos89, BS78, Bra84, BCJV18, Bra64, Bre75b, Bre76b, Buc69, Büh87, BT99, BK16, CS19, Cau22, CST18, Cha80, CTV96, CB09, Che13a, Che13b, CP15, Che15a, Che15b, Che16e, CL16, Che16a, Che16d, Che16c, CT16, CD02, CS11, CO80, CHT71, Cod82, Col80, CM83, Col84, CPG12, CB87, CS82, CS83, CC64, Cyv64, Dav59, DAV12a, Del79, Del84, Dev12, DB13, DC81, Dri95, Dun90, Dut84, Eck77, EG97, EL08, Ele15, Eps75, EMR82a, FW13, FNC75, FLS06, Fet63, FCC73a, Fet74, Fis73, FK75, For97, FW80]. **function** [Fra81, FW84, Fre09, Frö63b, Fuk15d, GA08, GP64, Gau64d, GS78, GS88, GK89a, GST03a, GST11a, GST11b, GST12b, GST15a, GLP98, GL01, Goe14, Gon52b, GP84, GQ09, HXX22, Har20, Har01, HF09, HHR00, Her61c, HJ67b, Hum85, HR72, IS88, IP81, Jab12, Jab13, Jab20, Jam81, Jam99, JHC96, JS89, Joh15b, Joh20a, Jon70, JMS98, Kai89, KW21, Kar01, Kat78, Kaz65, Ker83, KPPS08, KRT02, Köl72a, Köl84, Köl96, KT59, KSVW07, Kuz15, LW96, Las82, Lee97, LGML05, Leh70, Leh56, LG79, Lew44, LKF10, LN22, LW82, LT13, LFM14, LSM14, LW14, LSM15, LM15b, LSM16, Luk56a, Luk56b, Mac94b, Mag94, MS16, Mar03, Mar86, MZM94, MG85, MG89, MPG92a, MPG92b, MJ13, MRS18, McC83, MNP83, Mer05, MM88, Mit49, Miy19, Moo81, Moo84, Mor11, Mor14]. **function** [MS15, Mul01, Mul06, Nag01, Nag04, ND19, OY91, OSS09, Pak18, Pal98, PDK96, PW92, Par02a, Par02b, Par03, Par72, Ped03, Per85b, Per87, Phi60, Phi79, PUHM12, Pie82, Pie84a, PHH08, Pit67, Pow88, Pré10, Puo88, Qi14, QM15, RL76, Ron86, Rza12, Sab08, Sal89, Sal55, Sch88a, Sch80a, SK08, SLH06, Sho86, Sko04, Sko05, SE14, SC81, T.57, Tak22, Tan91a, Tem75b, Tem76, Tem83a, Tem86, Ter81b, Tha62a, TC01, Tri50, Tur43, Tur53, Uni49, Vai89, VC06b, Van89, Veb12, Ved93, WV20, WdZ04, Wan16, WO15, WC90, Wen96, Wim74, Wri84, XHT16, XC17, YC15, YCZ15, YM97, Yun14, Zag24a, Zak69, ZB95, Zha95, ZB97, ZLA13, vdLT84, Hol69, Mar85, Wre73, Lip21]. **Functional** [AVV90, AVV92, Deh89, Kog89, Liu93, Töl43, Töl50, Töl66, Töl67b, Töl67a, Töl68, Töl69, Töl70, vRdL88]. **functionals** [Deh89]. **Functions** [Abr64a, AS64, Abr64b, ACG$^+$86, AMM21, Alh00b, AFC10, AGL93, Amo73, ADW77a, ADW77b, Amo78, Amo86, Amo90, Amo95, AVV92, ASA06, AMT78, AJMT81, AAR99, Ano46, Ano48, Ano74, Ano22, Ant64, AH16, Arc43, AM77, AWH13a, Arn77, Ars62, AKS01, Bak75b, Bak92a, Bal00, BDG$^+$72, Bar10a, Bar10b, BA44, BD99, BJG$^+$00, Bat07, BSY82, Bea58, Bee99, BCD$^+$10, BK78, Ben83, BH65, Bin68, BC62, Bla64,

Boe62, Boe69, BL02, BB84, BB88, BB97, BB00, BB04, Bow53b, Bow58, Bow61, Bra87, Bra70, Bre75a, Bre76a, Bre80a, Bre06, BL45, BdDKL15, BGVHN99, Bur63, Bur64, Bur74, Bus76, Cam84b, Car70a, CG55, Car70b, Car77b, CP98, CHG+11, CMW63, CLOT86, CH70a, CP70, Cod71, CMF77, CW80, Cod83, Cod90, Cod91, Cod93a, CU59, Cur64, CVW06, CPV+08]. **Functions** [CBBV10, D+89, Dav64, Dav81, DeL70, DGA18, Deu76, Din58, Div79, Dop42, Dor66, Dri89, DM88b, DD07, Eck80, Emd40, Emd45, Emd48, Emd59, Erc72, Erc73, Erc75, Erc77, ELMT00, FO99, Fab04, Far81, Fat16, FK19, FB91, FW61, Fie65, Fik68, Fil66, Fla57, Fle68, Fow93, Fra78, Fra65b, Frö55, Frö61, Frö63a, Fuk15a, Ful80, Gal85, Gau64a, GC64, Gau65a, Gau66b, Gau75, Gau79a, Gau79b, Gau99, Gel51, GST03b, GKS04, GLR07, GT58, GT59, GCP67, GN89, Gre92, Gre59, Gun67, GM04, HKST99, HJ67b, Hin77, Hit57, Hoc71, Hoc86, Hol90, HKA93, Hul78, HFT94, Ike75, Ike76, IK05, IA20, Jab94, Jan77, JGB13, Joh14b, Joh15a, Joh19, Joh20b, Kah82, Kah87, Ken14, Ken21, KB90, KKI67, Kin24, Kin07, Kod08, Kod11, Kog66]. **Functions** [Köl87, Köl90, KS20, KZ90, Krä87, KL14, LaF54, LK21, Lar69, Lau73, LM15a, Leb65, LM03, Len76, Lew58, Lew81, Lew69, Lew75, LDP93, LKL02, Lin78, Lin79b, Lir71, LJ13, Low64, LO93, Loz94, Loz96a, Loz96b, Loz97a, Loz97b, Loz00, Luk59, LC61, Luk64, Luk69a, Luk69b, Luk71a, Luk71b, Luk72, Luk75b, Luk77, LASC95, LCY65, Mac65, Mar72, MDM16, MC87, Mas75, Mat87, MR71, MS68, McC02, MTP82, McL34, McL55, Mec66, Mec68, Mey01, Mil64, Mil65, MT64b, Mor64, Mos72, Mos89, Mül90, Mul20, Nad15, NS09, NKY08, Nas74, NPA16, Nav83, NDT69, ND70, Obe64, OJL22, OTY91, OMS09, Olv64, Olv67a, Olv74, OLBC10, Osi13, Pai19, PL19, PS05, Pie84c, PP12, Pot14, PT91a, PT91b, Pri75, PGA18, Rai60, Rap94, Rap14, RS81, RL80, Rev16]. **Functions** [Ric73, Ric68, Rot70b, Rot71, Rum01, dLSGDR17, Sal92, Sal51b, Sal53, SS94, SS99a, oKSAG79, Sch15, She76, SF59, SP20, Sht19, SC01, Sid95, Sko75a, Sla64, Sla66, SL07, Sle64, Sle65, Sle78, Smi11, Sne56, Sne61, Sne80, Sol69, Soo73a, Soo73b, Soo73d, Soo73c, Sou64, SS70, SO87, Spi61, Spo94, Sri70, SJ01, SA57, Ste64a, Ste64b, SZ70, SZ74, SZ76, ST99, Str56, SG72, SDP11, Szm13, TS69, TTW79, Tal68, Tan90a, Tan90d, Tan91b, Tem79a, Tem92, Tem94b, Tem96a, Tha79, Tho93, Tho13, TS76, VS04, VS10, V+75, VB04, VVA09, Vel11, Ver67, Völ83, Vos73, Wan74, WG89, Wat66, Wat95, Whi63, Wig67, Wil96, Wim62, Wim68, Woj61, WR71, Wyn60, XD18, Zag16, ZS64, ZJ96, Ziv91, Zuc64, von80, von84, AS97, AS05]. **functions** [Abr45, Ada98, ACG+87, AO08, Air37, AJDG02, Alh00a, AIS+17, API+19, Alz97b, Amo74, And98, Ano93, Ano98, Ano14, AM78b, AM79, AM84a, AM84c, AM84b, Arm82, Ars81, Ars68, AN68, Ask75, BDGP13, BDGP14, BC09, BBC+14, BKM94, Bak73, Bak75a, BL96, Ban01, BDM81, BDG+84, Bar72, BFSG74, Bar81, Bar82b, Bar82a, Bar84a, BFSG84, Bar84b, Bat19, BW10, BBD03, BB82, Bel68, BS84, Bel04, Ben98, Ber84, BG84, Ber01, BPT76, Bla74, BEJ78, BL71, BHJ05, Boo55, Bor88, BBC08a, BS83, BCD+02, BD02, BPD81, Bre18, Bre10, Bro89b, Bro89a, Bro90, Büh92, Büh03, BJLP19, Bul65a, Bul65b, Bul69b, Bun09, Bus74, BIS01, BK16, Cai11, Cam79, Cam81, Cam84a,

CL11, Car69, Car05, Car90, Car82, Cer07, CKT07, Cha82, CZ94, CZ95].
functions
[CQSP04, Che71, Che81, CKL89, CIM94, Che11, CB12, CE15, CP15, Che15b, CA00, Che09, CH78, Cle54, CP66, Cob69, Coc65, CDS00, Coh12, CCV11, CJR91, CJR92a, CJR92b, CDJ$^+$01, CV03, Cri89, Dam94, Dan77, Das94, DMS95, DCL$^+$92, DTLM98, DMMM95, Dav35, DAV12b, DT09, DF84, Di 86, Die80, DKK80, Dom03, DM08, Dri91d, Dri91a, Dri91b, Dri91c, DIW00, DGS18, DGS24, DHM89, DK77, DF78, DZKK77, El 06, EL01, Elb01, EC79, EC13, EM94, Fab02, FLO04, FLMR00, Fei78, FS92, FGG82, FMC82, Fer86, Fer07, Fog51, FO93, FH62, Fre05, Fre09, FKY86, Fuk09a, Fuk09b, Fuk13a, Fuk13b, Gab79, Gal86, GKK00, GAZK03, GI01, GS81, Gau63, Gau64b, Gau64c, Gau65b, Gau69b, Gau77a, Gau02, GHT03, GG08, Gau11, GS82a, GEK04].
functions [GRS87, GF97, GST02b, GST02c, GST02a, GST04a, GST06a, GST06b, GST07a, GS12, GS14a, GST14b, GST15b, GF88, GJL20, GL83, GR92, GM84, Gla74, Gon52a, Gon52b, Gra61, GS14c, GM88, GK89b, GQ09, GM07, HTHR94, Hai60, Har08, HB75, HHv$^+$73, HBF09, Her69, Her71, Hig77, Hit74, Hit75, Hoc61, HvdR63, HUY07, Hor17, HR88, HL13, Hum85, ISO10, ISK87, IS90, IKK91, IS92, IKF91, Ism77, JJW86, Jam16, JL12, Joh14a, Joh16, Joh12, JT85, Jon06, Jür66, Kal04, KWY07a, KWY07b, Kan96, Kas80, KT00, KV03, Koe16, Kog60, Köl69a, Köl69b, Köl69c, Kon76, Kor02, KS88, Krä88, Kra14, KRVZ98, Kra85a, Kra85b, Kui52, Kul07, KB86, KI16, Kyr74, Kza92, Laf86, LS88, Laf91, LM93, LP61, LP62, Lan80, LR74, Laz85, Leb72].
functions [LVV05, LM00, LM07, Len90, Lew85, Lew87, Lin57, LK73, Liu93, LČJ63, Loe01, Lóp98, Lóp18, LU96, LM08, vdD88, LO94a, LO94b, LS95, Luk75a, Lut95, LP83, Mac68, Mac94a, Mac97, MS67, Mac96, MO49, MOS66, Mah30, MMV81, Mak65, Mak80, MT72, Mar81, Mar90, Mar00, Mar88, Mas83, Mat93, MH08, MP79, Max91, MMM93, McN73, Mei64, Mei67, Mer94, MS03, MY91, Mil89, Mil68, MM95, MM98, Mit49, MKS83, MC04, MCM90, MS87, MV98, Mos69, Mot55b, Mul95, Mul85a, Mul85b, Mul86, Mul97, MO18, Nag68, Nag01, NR15, NP18b, Neh07, Nes84, New84, Ng68, NU88, Nis84, Nis94, NT84, Nør50, Nør55, O'B80, OWS$^+$14, OGWY94, OG82, Olv80, ÖE16, PDK96, Par09, Par16, Paw11, Pea09, POP17, Ped03, PSS03, Peĭ63, PS77].
functions [PS78, PS79, PB82, Pie84d, Pie84b, PA86, PKP74, PNV01, PT80, PS93, Pro87, Pro88, PBM86a, PBM86b, PBM92, QGG10, QXG18, QL19, Ran77, Rap01, RdC93, RKZ$^+$14, RL76, RM07, Ric92, Ric88, Ris79, Rit25, RX07, Rus88, RDK98, KR86, Saa91, Saf10, Sai89, dLSG18, Sal76b, Sau93, Sca71, Sch76a, Sch77a, SSG$^+$18, Sch78c, Sch80b, SS93a, SS93b, SGA81, Sea84, SdCR97, SG98, SG99, Seg08, Sen67, Shi93, Sho60, Sim64, Sla60, SP61, SS65, SS10, SS23, SS87, Smi89, Smi01, SF10, Spe72, Squ91a, Squ91d, Squ91b, SO89, SZW11, SJ12, Sti53, SMCH41, Sun88, Sun15, TTW84, TR84, Tem75b, Tem78, Tem79b, Tem81, Tem83b, Tem94a, Tem96b, Tem00, Tem07, TV09, Ter79, Ter81a, Tes69, TB86, TB87, Tho97b, Tho97a, Tho04, Tim87].
functions [Tka03, Töl43, Töl50, Töl66, Töl67b, Töl67a, Töl68, Töl69, Töl70, Tre80, TW80, Tri66, Tur72, Ubh89, VC06a, Var95, Vep08, Vil88, VK95,

VM87, Vla02, VRS+95, VPK99, Wac00, Wal84, Wal71, WCS16, War60b, Wat90, WS84, Wen07, Wen09, Wes05, Wil12, Wil71, WBR82, Wim72, Wim82, Win70, WG94a, WG95, XLX+83, XL94, XC14, XC15, Ye17, Yos97, YM03, Yun09, ZA11, Zag24b, ZZ96, Zai93, Zal89, ZSA86, Zha96a, Zha96b, ZS08, Zhu10, Zie89, Zwi87, de 77, dDM06, dDP10, dDIS13, dT93, vdLT84, Her82, Loz03, Tha62b, Sne63, Uni49, Köl87, VRS+99, Wim72]. **Fundamentals** [AGA+80]. **FunGrim** [Joh20b]. **Funktionen** [Fil66, Mei64, Rot71, Sne63, Sti53, Töl43, Töl66, Töl67b, Töl67a, Töl68, Töl69, Töl70, Völ83, Emd40, Emd45, Emd48, Emd59, Töl50, Töl66, Töl67a]. **Funktionenlehre** [Töl43, Töl50, Töl66, Töl67b, Töl67a, Töl68, Töl69, Töl70]. **funktsii** [PT80, PS93, PS93, LČJ63]. **funktsioonid** [Jür66]. **funktsioonide** [Jür66]. **funktsiĭ** [LP83, Bar72, PS93]. **funktsiĭ.** [DZKK77]. **funktsiĭs** [Saa91]. **FUNPACK** [Cod75]. **Funtionen** [Töl69, Töl70]. **funzioni** [AN68]. **Further** [GAZK03, GR92, JJW86, Laf84, Luk70]. **Fused** [BDL09, RJM+20]. **future** [BIS01]. **Fuzzy** [AEF92, DP92].

G [Köl87, Köl90]. **G5** [Bre74]. **Gal** [SZ05]. **Galatasaray** [HUY07]. **Gamma** [AM20, Alz08, BB15, Bar61, BY07, BP01, BC18, BI86, CP98, Chi20, CH67, Dav64, DM86, DM87, Din58, Dop42, Ful72, GB68, Gau79a, Gau79b, Gau99, GST12a, GRAST16, God01, GM04, Joh21, Kol70, Köl72c, Kol72b, Köl87, Kuk72a, Kuk72b, Laf84, Lan64, LDP93, LT71, Mac89, Mat04, Ng75, PH66, Pug04, Raf70, Rza12, ST07, Sch78b, SG02b, SF59, SLH06, Spi71, Spo94, Sri07, Tak66, Tem92, Tem94b, Vel11, WC61, Whi63, Wis48, Wre68, Wre73, AS05, Alz93, Alz97a, Alz97b, Alz97c, Alz98, Alz03, BZ92, BS78, BCJV18, CS19, Cau22, Cha80, CZ94, CZ95, CTV96, Che11, CB12, Che13b, CE15, CP15, Che15a, Che15b, Che16e, CL16, Che16d, Che16c, CT16, Dav59, DF84, FW13, Fis73, FW80, Fra81, FW84, GA08, GHT03, GST15b, GLP98, GL01, GQ09]. **gamma** [GM07, Har08, JJW86, Jam16, JT85, Kar01, Ker83, Köl84, LS88, Lóp98, LFM14, LSM14, LW14, LSM15, LM15b, LSM16, Mah30, Mar77, Mar86, McC83, Mer05, MM98, Mor11, Mor14, MS15, ND19, ÖE16, Pal98, PW92, Par02a, Par02b, Par03, Par16, Ped03, Phi79, Qi14, Sch88a, Sch80a, Smi01, Tem75b, Tem79b, Tem94a, Tem96b, Ter79, TW80, Tri50, VC06b, Wan16, Wri84, XHT16, YC15, vdLT84, AWH13b, Bra64, CS11, CC64, Gau64b, Har97a, Her61c, Tho13]. **gamma-functions** [Mah30]. **gamma-ray** [Phi79]. **GammaCHI** [GST15b]. **Gammafuncties** [Dop42]. **Gammafunktion** [Sch80a, Tri50]. **Gammafunktionen** [Mah30]. **Gappa** [dDLM11]. **Gate** [LE95, LE93]. **Gatteschi** [GG08]. **Gauss** [Dav35, Fer07, FLS06, Fet65, Gau02, Gau16, HT13, Har20, HJ67b, Ibb63, JM18, KWY07a, Kza99, KP03, LW95, LT13, Nad15, POP17, Yun14, ZZ11]. **Gaussian** [DD08, Jan11a, Akr85, BTT16, BS00, Bre74, CCM11, CB09, CPG12, Dev12, DB13, Düm10, Fre09, Hay56, IR08, Jan11b, KL07, Kza92, LBC11, MJ13, PUHM12, SK11, Sun15, Ter81a, WCS16, Wen01, WLK11]. **Gautschi** [Zah94, Alz03, GLP98, Ker83]. **gcd** [BY19, Por20, Sor94, WTM05]. **Gebiet** [Töl69, Töl70]. **gems** [mH12]. **genauer** [von84]. **Genauigkeit**

[Rot71, von80]. **General** [Bre82a, Erc75, Erc77, GW91, Kog89, Mil57, Mos72, von80, BD85, Bre80b, Fdi97, Fuk83, FI94, Fuk11, Fuk14b, Gon52b, Gus78b, HR07, LFM14, Mid75, SZ77, Sun15, Töl68, Wen01]. **Generalised** [Bar74, Ver67, NSU20, Par03]. **generalization** [Dij77, EM94, Pal98, Paw11, Rac82]. **Generalizations** [Dor62]. **Generalized** [AM20, AJDG02, AS54, Bar10a, Bar10b, Büh92, BS98, Bur64, Car70a, CZ94, Che70, CLOT86, DTLM98, DJ62a, Fie65, Gom89, Håv79, HP62, LC87, Mil85, Min70, Ovt03, Sch16, Sla66, Sle64, Sri70, Vel11, WD61, Ali11, Ano84, BS11, BK16, CZ95, CTV96, CLM88, CH78, DCL+92, Fuk14a, Fuk15c, GKK00, GAZK03, GS82a, GOST23, GS14c, GM07, Håv81, Har08, HB75, Jon70, KWY07b, KCYL06, KI04, Lav86, LKF10, MS16, Mat93, MM98, Mus87, Nag04, NP18a, Olv94, PBN93, Sal83, Sko05, Vla02, WCS16, Wil12, MN16]. **Generated** [AK09, LSM14, MS03, dLSG18]. **Generating** [DCL+92, Kyr74, Len76, LC87, Mul06, Sch16, Wil70, FW84, Mar77, Olv80, Wri84]. **Generation** [Ahm89, BH65, Bin68, CU59, IP17, JJ65, Kog60, Kog66, LA85, SM78, SA57, Wal80, AN68, GF88, KI16, Mat90b, OY91, XLX+83]. **Generator** [KL14, AM78a, Bak76, Bre74, HXX22, War75]. **Generators** [BdDKL15, AHM+98]. **generazione** [AN68]. **Generic** [Dri89, Tan88, Tan90c, Dri91a, Dri91b, Dri91c, Squ91a, Squ91d, Squ91b, Tan91a]. **Genetic** [LK21, PUHM12, Tan87]. **Geometric** [Bar10b, BB84, BB97, BB00, BB04, Sal76a, AL20, Her82, LKF10, MH72, Sal89]. **Geometrical** [Yon70]. **geometry** [HUY07, Sti88]. **German** [Alb62, Bar14, Bau89, Bra65, Emd40, Emd45, Emd48, Emd59, Hen77, Hol69, Mah30, Mei64, Ost37, Rut51, Rut63, Sch80a, Sch68, Sne63, Sti53, Töl43, Töl50, Töl66, Töl67b, Töl67a, Töl68, Töl69, Töl70, Tri50]. **Germany** [BCD+20, Gre16, FBM04, SO11]. **GEV** [Gom89]. **Ginkgo** [CTA22]. **Givens** [Bor21c]. **GIZ** [GST02c]. **Gleichungssystemen** [Bra65]. **Gleitpunktrastern** [Bra87]. **global** [HR07]. **Glow** [Che70, Squ70]. **GMP** [BMZ02, BMZ06, Zim00]. **GNOME** [SG99]. **Golden** [Hin77]. **Goldschmidt** [EIM+99, EIM+00, Mar04a]. **Gompertz** [Sto41]. **Good** [Gal85, Gal86, Mat90a]. **Gopengauz** [CG89]. **Gopengauz-type** [CG89]. **Gordan** [Buj75, Gun65a, RB75, SM77, SM78]. **Gordon** [Paw11]. **Gosper** [Che16e]. **GPU** [mH12]. **GPUs** [API+19]. **gradient** [Mit92]. **graduate** [BW10]. **Graph** [NS09, DC81]. **Graph-Based** [NS09]. **Graphics** [NKY08]. **Graphs** [AS64, JMMW79]. **Greece** [SC01, VDR05]. **Green** [JS89, MKS83]. **Grenoble** [Bor02, KM91]. **grid** [Joh83]. **Grosswald** [Ano84, Sal83]. **Group** [AKS01, ???90, Koo91, Lip21, Tal68, WS84, Vil88]. **Grouping** [LA85]. **groups** [CK88, Töl67b, Var95, VK95, Die80]. **Grove** [Sin95]. **Growth** [QVV98, Bos89]. **guaranteed** [Loe01, PR04]. **Guide** [AWH13c, BA44, LFB60, Tho97a]. **guidebook** [Tho97b]. **Gumbel** [Gom89]. **Gurland** [Mer05].

H [Ano84, T.57]. **Hadamard** [Par09]. **Half** [DJ67, Gau16, Kah04, Lir71, Sau92, Di 86, Fuk10, Fuk15b, Gau94, GJL20, KWY07a, NR15, SG98].

half-century [Gau94]. **Half-Integer** [DJ67, Sau92, Di 86, SG98]. **half-integral** [NR15]. **Half-Range** [Gau16]. **half/integer** [KWY07a]. **Hall** [Lip21]. **Hall/CRC** [Lip21]. **Halley** [LLK14, NS13]. **Halley-like** [NS13]. **Hamiltonian** [Fei78]. **Hand** [Der77]. **Handbook** [AS64, Bee17, BL02, BF71, CPV+08, Fet81b, Loz97b, LCY65, OLBC10, PR82, PR96, RW04, Bak92b, Mat93, Köl90, Köl97]. **Handheld** [NKY08, GP84]. **Handling** [HFT94]. **handyG** [NSU20]. **Hankel** [Coc65, CH70a, CS82, CS83, DK90, Fet63, FW85, Glo89, JL12, Mac72, PB82, Wie99]. **Hankel-norm** [Glo89]. **Hard** [LP16, LP17b]. **hardback** [Lip21]. **Hardware** [Erc77, Fow93, Mar72, SS94, SF93a, SF96, SMG94, SDP11, Tak01, WG91, WG94b, XLW+20, ZA14, dDI15, BKM94, Joh20c, Joh20d, Kan96, LGML05, Mul86, OY91, Sg92, SS93b, Tay81]. **Hardware-Based** [WG94b, WG91]. **Hardware-Oriented** [Erc77, OY91]. **Hardwired** [DM88c, LC87]. **Harmonic** [BD14, Alz97a, Alz98, Alz03, Ele15, MS67]. **Harmonics** [Bra73, Hob31, Hob55, XD18, MS67]. **Hausdorff** [Gre82]. **Having** [Bra65, Bos89, DGS24]. **Hawaii** [MS94, Spr00, Spr00]. **hazard** [Ruy89]. **heat** [CMV69]. **Held** [Mul82, AGA+80, HUY07, IP87, Mar85, MC87, MC90, Ric92, SKL93, Tra76, Ull90]. **Help** [Car74, Wen96]. **hereditary** [Roc82]. **Hermite** [Bun09, Dri95, Fat16, Gau16, KSVW07, Sab08, WdZ04]. **Hidden** [Car70b]. **hierarchies** [Her71]. **hierarchy** [Her69, Hom98b]. **hierarchy-consistent** [Hom98b]. **High** [Abe16, Ahr96, AFC10, Bar82c, BY07, BJM22, Bre06, Bru22, BTDS11, CCCP99, CG85b, CP99, CL94b, DPC95, Far81, Fer86, FW80, Fra81, Gal85, GB68, JSH+11, Joh14b, KK96, KM93, KM97, LM95, LMT+92, Maj85, MMW91, NP18b, Par09, PEB02, PB02, POMB05, RGK72, Sal51b, SW99b, Sch93a, Sch93b, Sei99, SF59, SC71, SA57, SG72, VLCSFN+12, WMDM92, XLX+83, ZG87, ALB98, Bar84b, BM80, CCC96, Fan89, Gab79, Gal86, Gau11, Jab20, Joh15b, Joh20c, Joh20d, KO94, LM99, MM92, PBE03, RdC93, Sch80b, SF93b, Bra87, Mül90]. **High-Accuracy** [Bra87, Mül90]. **High-Bandwidth** [Bru22]. **High-level** [BJM22]. **high-order** [Sch93a, Sch93b]. **High-Performance** [BTDS11, MM92]. **High-Precision** [Ahr96, BY07, Bre06, KM97, Bar82c, Fer86, FW80, Fra81, NP18b, Par09, XLX+83, BM80, Gau11, Joh15b]. **High-Radix** [CL94b, PEB02, Sch93a, Sch93b, PBE03, SF93b]. **High-Speed** [JSH+11, Maj85, PB02, POMB05, RGK72, SW99b, ZG87, Sei99, Fan89]. **High-Throughput** [AFC10]. **Higher** [CM90, GM88, LM92, Pot14, Ars81, BL71, Car69, EM94, MC89, Ng68, XC15]. **higher-order** [EM94, XC15]. **Highly** [DB13, Lut95, Mat90b, CY18]. **Hilfe** [Fil66]. **Hilton** [MMH89]. **Historical** [Ypm95, Dav59]. **History** [Ful99, Dut84, War08, Wen09]. **Hitachi** [WOG95]. **HIZ** [GST02c]. **hoc** [Yun14]. **Hochgenaue** [Bra87, Mül90]. **HOL** [AAHTH10]. **Holdred** [Ful99]. **Holiday** [IEE85]. **Hong** [DIW00]. **honneur** [AEF92]. **honor** [AEF92, Zah94]. **Horner** [CG02, Dor62, Ful99, Ost54]. **Hotel** [MMH89]. **Howland** [LW82]. **HP** [Hen77, LMOT01]. **HP-25** [Hen77]. **HP-UX** [LMOT01]. **hundred** [DC81]. **HURRY** [FFS83]. **Hurwitz**

[BB15, BS06, Joh15b, Sch16, Vep08]. **Hvordan** [Ped80]. **Hvpergeometric** [Sla64]. **Hyatt** [IEE89c]. **Hybrid** [SR14, CP99]. **Hydra** [Rot70b, Rot70b]. **HYP** [Kra95]. **Hyperbolic** [Ano74, AH16, Fri72, Ken14, Ken21, dLSGDR17, Sal53, SM70, Tha61, Zuc64, HTHR94, Hit74, Yun09, ZS08]. **hypercube** [Tan87]. **HYPERDIRE** [BK16]. **Hyperelliptic** [DR94a, DR94b]. **Hypergeometric** [AS95, AVV92, AS54, BS98, Bus76, Cah54, Car70a, FW61, Fie65, Gas81, Gel51, GS82b, GKS04, GN89, JKD92, Joh19, Kim72, Kop74, Luk59, LC61, Mil57, Min70, Nad15, NPA16, Ng77, Nør50, Nør55, Obe64, Olv91, Rel63a, Sla66, Sri70, Tha62b, Ver67, Wim68, Yos97, AS97, AS03, ABF$^+$23, AG08, BS00, BS06, Buc69, Büh87, Büh92, Büh03, BJLP19, BK16, CR08, CQSP04, CGKZ05a, CGKZ05b, CCV11, DT09, DGS18, Dut84, Fer07, FLS06, For97, GAZK03, Gau02, GST07b, GS14c, Har20, HUY07, HL13, Joh16, Jon70, Kal04, KWY07a, KWY07b, KW21, KT00, KRT02, Kra95, Kyr74, Lav86, Lew85, Lew87, LP95, Lew44, LT13, Mul01, Nag01, Nag04, NP18b, OSS09, Pas95, Pea09, POP17, PBN93, Rel63c, Seg08, Sko04, Sko05, Sla60]. **hypergeometric** [SZW11, Tem78, Tem81, Tem83a, TC01, Uni49, Var95, Ver77, WCS16, Wen01, Wil12, Zei91, ZZ11, BK16, Rel63b, Ric92]. **hypergeometric-Bessel** [KRT02]. **Hypersingular** [Sam02]. **hypersurfaces** [Sti88]. **Hypervirial** [FMC82]. **hypot** [Bor19, Bor21a]. **hypotenuse** [Bor21c]. **Hypothesis** [BCR$^+$07]. **HYPQ** [Kra95].

i860 [Sin96]. **IA** [ASA06, HKST99, Mar00, ST99]. **IA-32** [ASA06]. **IA-64** [HKST99, Mar00, ST99]. **IBESS** [ADW77a, ADW77b, Amo78]. **ibid** [Sha76]. **IBM** [ACG$^+$87, ACG$^+$86, ACG$^+$87, Fik66, Gel51, Mar90, ZOHR01]. **ICCD** [IEE89c]. **ICEEC'04** [Wah04]. **ICMS** [FvdHJT10, Gre16, BCD$^+$20, HY14]. **identification** [Roc82]. **identities** [XC14, Zei91]. **Identity** [Gla71, Wri73, EC79, GMMIDM13, Mim88]. **IEC** [ISO10]. **IEEE** [BCDH09, BC01, BBdD17, CLT20, IEE05, IEE13, IEE21, IEE22, KM07, MSH$^+$16, MTV15, SO11, TBL19, VDR05, AHM$^+$98, AAHTH10, BT99, CH98, DR04, GB91, Hou81, IEE85, IEE89c, IEE99, Int03b, Kah80, KK99, KM91, LMT97, LSZ08, LD89, Rus98, Tan89a, Tan90e, Tan92, T$^+$97]. **IEEE-754** [AHM$^+$98, AAHTH10, BT99, DR04]. **IFIP** [Boi97, Lav80]. **ihre** [Mei64]. **II** [BL91, MC90, Ben83, Bul65b, CG89, CKT07, Cuy94, Dun87b, Eck77, EMR82b, KSVW07, LP61, Luk71b, Mil65, Ovt03, Pro87, RL76, Sch68, Sne63, SZ74, VB81]. **III** [Bul69b, Din58, Dun88, LP62, Lov53, Luk72, SZ76]. **IIPBF** [RKZ$^+$14]. **Illinois** [Cow77, Hwa85]. **illustrated** [Tho97b, Tho97a]. **im** [Töl67b]. **IMA** [MC87, IP87]. **IMA/SIAM** [IP87]. **image** [JL94]. **Imaginary** [Bar61, GST02d, NPA16, BF92, BST13, Cob69, GST03a, GST04a, GST04b, VC06b]. **immiscible** [YH89]. **impedance** [AJ03]. **Implementation** [AAHTH10, AFC10, Bai17, BV85, CVW06, DMS95, DHL$^+$04, EL89a, GBKK09, HH18, IM99a, Jef17, Joh15a, Joh87a, KNS95, LA01, LP17a, LM15a, LC97a, LE95, Nav83, PP12, Sht19, SMG94, SL97, SDP11, Tak00, Tan88, Tan89a, Tan90e, Tan92, VM19, Zai93, dDLM11, von80,

DR04, Has00b, Joh14a, Joh87b, LKKH99, LO95, LE93, MC89, Mul97, Neh07, Obe99, Tom00, VT11, ZXBZH01]. **Implementation-Oriented** [PP12]. **Implementations** [PB08, SL95, Tan90d, XLW+20, dDI15, CL00, EL94, Kul07, LC96, LC97b, Luk99, dLSG18, SK08, SL97, Zim00]. **Implementierung** [von80]. **Implementing** [HFT94, Tho87, Che71]. **Implied** [Sho02, MRS17, SR16]. **Improved** [Bor19, Bor21a, CD02, HCK09, Jab13, Jab20, KL07, KCYL06, Mor11, Nin70, Olv91, ST99, Di 86, DD08, GST12b, Lu14, Mid75, PW92, PC93, ZLC04]. **Improvement** [LK21, Mec68, OGWY94, LLK14]. **Improvements** [Tru11, Zag16, PS86]. **Improving** [Chl11, EIM+99, EIM+00, WMC18, WMC21, Lev73]. **incident** [Ehr89]. **Including** [She54, Str56, HTHR94, SMCH41]. **Inclusion** [Cri82, PC93]. **Incomplete** [AM20, Bar61, BL94, CN81, CP98, DH59, DJ67, DM86, DM87, DM88a, DM92, Dop42, Ehr61, FL67, Ful72, Gau79a, Gau79b, Gau99, GST12a, GRAST16, Goa95, GM04, Har08, Hil77, Kol70, Kol72b, LW63a, LW63b, LDP93, Mat04, OM68, PSB76, Sau92, Sch78b, Tak66, Tem92, Tem94b, Tho13, Van69, Vel11, Whi63, Wis48, Alz97c, BB15, Bul69a, CZ94, CZ95, CTV96, DK90, Fis73, FI94, Fuk09b, Fuk10, Fuk13b, GHT03, GM07, HF09, Hay56, JJW86, Jam16, JT85, Mah30, Mar86, MM98, ND19, ÖE16, Par02a, Par02b, Par03, Par16, Sch80a, SS10, SS23, Tem75b, Tem79b, Tem94a, Tem96b, Ter79, Ter81b, TW80, Tri50, VC06b, BB74, Gau64c, Gau64d, Jef62, Lud63, Mey63, PH67, vdR63]. **Incorporated** [PW76]. **increasing** [Wan82]. **incrementation** [DD76]. **Indefinite** [CK89b]. **Independent** [Fra65b, Bre18, VCV01]. **Index** [Ano68, GKK00]. **India** [Ban01]. **Indian** [BB12, Hay99, Plo01]. **indices** [GF88]. **Induction** [Kin21]. **Industry** [BBM84]. **Inequalities** [AVV90, AVV92, Bus76, BI86, CP15, Che15a, Che15b, CL16, Che16a, Che16b, GL01, Laf84, Laf86, Nas74, QVV98, She54, Alz93, Alz97b, Alz97c, Alz08, Alz10, CB12, CM13a, Che16c, CT16, CT88, GLP98, IS90, Ker83, LS88, Liu93, LW14, Pal98, QM15, RT89, Whi82, ZS08, Zhu10]. **Inequality** [WLK11, Alz97a, Alz98, Alz03, IS92, Rac82, Zal89]. **Infinite** [Lir71, Sch88b, BC79, Cro92, LW96, LS95, RKZ+14, VC06a]. **Infinitely** [IM99b]. **Information** [GS14b, ISO10, Lav80, CT88, Ste08, Töl68, War08, Was89]. **Ingenieure** [Bar14]. **inhomogeneous** [Mac94a]. **Initial** [Cas83, ITY95, EL89c, EL90, ITY97, SS98, Spi85]. **Initiative** [Loz00]. **Inn** [IEE85]. **inner** [AB88]. **input** [Wen01]. **insertion** [OJ04]. **Instantiation** [PLT23]. **institutions** [BL71]. **Instruction** [GZC22, PW76]. **Instructions** [GBKK09, IM99a]. **Integer** [Alh00b, BO93, Cat85, Cat86, Cre98, D+89, Der77, DJ67, Has90, Hei96, JF16, MRH19, ND70, OLHA95, Olv64, Rev16, Rol87, Sau92, Soo73a, Soo73b, Alh00a, AM78b, AM79, AM84a, AM84b, Di 86, FNC75, Fuk15b, GLM15, Hig93, KWY07a, KWY07b, Lyo91, Pro83, Sca71, SG98, WTM05, dT93]. **integers** [QW06]. **Integrable** [PS93]. **Integral**

[Ano93, Cad51, Car75, Che70, Chr65, CT69, CP79, Cor61, Cun62b, Cun62c, Dre78, Fet67, Fra65a, Fri72, GC64, Gau16, GW71, Gla71, Gla79, Goa95, HP67, HJ67a, HJ67b, Hil73b, Ism77, KC76, Mec68, MR65, Mer62, NF63, Ng70, Olv91, Pac70, PS11, Qi14, Raf70, Red70, Rei69, RL80, Ryb89, Sch78a, She54, Sko78, Smi11, Squ70, SZ74, VLCSFN$^+$12, War60a, WR63, Wri73, eL76, AQ18, Act74, Bea60, BB82, Ber68, Boy15, Bry02, CG85a, Car05, CS11, CT68, CPT70, Dav59, Dij77, DK90, Fet81a, FKY86, Fuk10, Fuk11, Fuk14b, Fuk15d, Fuk15b, Fuk15c, Gau59, GHT03, GOST23, GMMIDM13, Gra61, Has02, Her61d, Her61e, Kuz15, Lar66, Lee92, Let97, Mar95, Max91, McC74, Mid75, NR15, NP18a, OW68, Olv94, Pak18, Pól49, RT61, RKZ$^+$14]. **integral** [Sun15, Tem86, Tha63c, Tha63b, Töl67b, Van89, WR96, Zag24a, Zag24b, HP85, Hol70]. **Integrale** [Töl68]. **Integralgruppen** [Töl67b]. **Integrals** [AVV90, AVV92, BH63, Boe61, BF71, Car77a, CN81, Car87, Car88, Car89, Car92, CG94, Car99, CR68, Cod65a, Cod65b, Cod66, Cun62a, Cur64, DH59, Din58, DR94a, DR94b, Ehr61, FL67, Fet65, FC64, Fle68, Fre05, Fuk15a, Gau61, Gau64e, Gau73, Gau77b, Gla66, Gra63a, KKI67, Kin24, Kin07, Köl87, KK20, Lan60, LW63a, LW63b, Lew69, LDP93, Lin72, Lóp00, LG64, Luk64, Luk68, Luk70, MT64a, NC66, PT90, PBM86a, PBM86b, PBM92, QV96, QVV98, Ric73, ST07, Sch64, Sch15, Sid95, Sny93, Sny96, SZ76, Tem15, Tho65, Tho66, Töl67a, Van69, WKG66, Woo67, ZC70, Act74, And00, BC79, Bat19, BO75, BZ92, BBC08a, BS11, Bul65a, Bul65b, Bul69a, Bul69b, Car79, Car91, Car95, CLM88, Chr62, CT67a, CT67b, Deh89, EW63, Far69]. **integrals** [FGG82, FMC82, Fet81b, FF54, FF57, FI94, Fuk09a, Fuk09b, Fuk12, Fuk13b, Fuk14a, Gab79, GP64, Gau11, GST20, Gla74, Gra63b, Gra64, Gra02, Har00, Hay56, HvdR63, Jef62, KT00, KRT02, Köl97, Lan80, Las82, LW82, LK73, LS95, Mac72, Mak65, Mey63, Mim88, MH72, Mor78, Mor99, Ném65, PDK96, Pie82, Pie84a, Puo88, Saf10, Sai89, Sam02, Sch88a, SZ77, SJ12, Tem83b, Tem83c, Tem85, Ter81a, Tha63a, Töl68, VC06a, Won73b, ZA24, vdR63, vdLT84, MN16, Sny21, Lip21]. **integrands** [CF00]. **integrated** [DM88b]. **Integration** [Bro90, Car99, Cas83, CK89b, Dav88, LO93, Pro88, BGV81, Bro89b, EM86, Hay56, Mos69, Pro87, Ter79]. **Integriruemye** [PS93]. **Integro** [Mil85]. **Integro-Exponential** [Mil85]. **Intel** [ASA06, CHI$^+$03]. **Intelligence** [AGL93]. **interact** [Wen09]. **Interactions** [BJG$^+$99]. **Intercalation** [Wyn72]. **Interest** [Koo91]. **interfaces** [ISO10]. **interference** [Dem89]. **Interior** [Meg89b, KMY89]. **Interior-Point** [Meg89b]. **Interlacing** [Seg08]. **internals** [SF93b]. **International** [ACM89, AGL93, Ano91, BCD$^+$20, Bor02, BCEP94, Bro07, FvdHJT10, Gre16, HY14, IEE89c, IEE08, IL07, Lak96, MC90, MS94, SE11, SC01, Spr00, TT18, T$^+$97, VDR05, Wah04, ACM87, DIW00, RDK98]. **interpolate** [IP81]. **Interpolation** [Bre82a, Fat16, Sti53, VB04, WEX14, BSW95, Blo88, Cau22, FK88, GRS87, Håv81, PDK96, RT89]. **Interpolator** [POMB05]. **interpretation** [Din73]. **interpretations** [Yos97]. **Interval** [BSY82, CG02, DLM09, Krä87, PLT23, Rot70a, Yoh73, Ge89, Joh20a, Kai89, Krä88, Mar81, dDM06]. **Intervallargumente** [Krä87]. **Intervalle** [Bra87].

Intervals [Bra87, KP75, EMR82b, Shi93]. **INTLIB** [KDDH92, KDDH94]. **Intrinsic** [BJG+99, BD99, BJG+00, Sht19, Mil89]. **Introduction** [Bow53b, Bow58, Bow61, Dri91d, Hol90, PP12, SG02b, Tem96a, Tka03, MC04, NU88, Ars62]. **Inverse** [AH16, Car63, DM86, DM87, ELMT00, Gil16, Ham78, Hom96a, HMO19, Krä87, Krä88, KNS95, LaF54, Lin90, Mar05, MS68, Pag77, PB02, Sal53, SW99b, Sol69, Str68, Tha61, WMC21, ZA14, Ano12, BPT76, BEJ76, Boy15, DAV12a, Dom03, Fet74, Fuk15d, HTHR94, Kre89, Lin89, MZM94, MWH+16, MWH+18, PDK96, Rev90, Sho86, VPK99, WMC18, Krä87]. **Inverse-Square-Root** [KNS95]. **Inverses** [Sal51b, Sch84, Car05, Rit25, Wac00]. **Inversion** [GST12a, Por20, Tem92, BY19, GST15b]. **invertible** [SE14, Ved93]. **Investigation** [Mak65]. **inviscid** [Joh83]. **involved** [Bel58]. **Involving** [BFHT85, Gla66, Lew69, Ric68, Sri70, UE05, WR71, BB82, DT09, FMC82, FO93, Gab79, GMMIDM13, LW82, LK73, LS95, Ng68, PS77, PS79, QGG10, XC14, XC15, Zhu10]. **Inzell** [zCFF05]. **Irish** [Mil75a]. **Irregular** [SG72, Wen01, Bar81, Bar82c, Nes84, SSG+18]. **ISBN** [Lip21]. **isn't** [Wil96]. **ISO/IEC** [ISO10]. **ISSAC** [ACM89, Lak96, SE11]. **issue** [T.57]. **issues** [BH01]. **Istanbul** [HUY07]. **Italia** [RS98]. **Italian** [AN68, RS98]. **Italy** [AGL93, CDS00, RS98]. **Itanium** [CHI+03, Int00, Int03a, Int03b, LMOT01, Mar03]. **Iterated** [Amo73, Tha61, Deh89, GLM15]. **Iteration** [Alb62, BB89, Bra65, CL11, LC87, Nin70, WS05b, Aab54, Che71, DD76, Epp89, MC93, MC95, PS86, PR04, Rut63, Tuk48]. **Iterations** [Gar75, Gar79, Gar80, HHR00, SS98]. **Iterationsbeschleunigung** [Bra65]. **Iterationsfolge** [Alb62]. **Iterationsfolgen** [Bra65]. **Iterative** [CH98, Eve63, Hom96a, Joh89, KNS95, Plo96, RGK72, GA08, Har49, Hom98b, ITY96, Jam89, KK96, Kru99, KI04, ZXBZH01]. **IV** [Dun94a, Dun94b, Sle64]. **IX** [Luk99]. **izbytochnykh** [LP83].

J [ACG+87, Alz98, Fet81a]. **J.** [Ano84]. **Jack** [Ric92]. **Jackson** [CK88]. **Jacobi** [Ali11, DCL+92, HT13, HvdR63, Mey01, PDK96, Paw11, Sko75b, Spe72, WV20, Wit68, Ye17]. **Jacobi-elliptic** [DCL+92]. **Jacobi-fractions** [Spe72]. **Jacobian** [Bat19, Car05, Fuk09a, Fuk09b, Fuk13a, Hol90, Lan80, MT64b, MO18, PDK96, Sal89, Sch76a, Sch77a, Töl67b, Töl67a, VPK99]. **Jacobische** [Töl67b, Töl67a]. **January** [Mul82, Spr00]. **Japan** [Ano91, FvdHJT10, Lav80, TBL19]. **Japanese** [OGWY94]. **Java** [Lau04]. **JBESS** [ADW77a, ADW77b, Amo78]. **Jensen** [Fre09, WLK11]. **Jersey** [AFI71]. **Jim** [Bli97]. **job** [Bar14]. **Jodhpur** [Ban01]. **Joint** [AFI69, AFI71, AGL93, IP87]. **Jonathan** [Bre17]. **Jonquiere** [FK75]. **Jordan** [Zhu10]. **Jose** [SE11]. **journées** [AEF92]. **July** [Ano06, BCD+20, Boi97, Bro07, BBdD17, Gre16, IEE08, IL07, KM95, Lak96, LMT97, Luk99, Mar85, MC87, MC90, MSH+16, SO11, SIJ93, T+97, VDR05]. **June** [AGA+80, BCDH09, BC01, CLT20, Cow77, DIW00, HUY07, Hwa85,

IEE05, IEE21, KM91, KM07, MTV15, SE11, SIJ93, TBL19, TT18].

K. [Rut51]. **K5** [LASC95, Rus99]. **K6** [IM99a]. **K6-2** [IM99a]. **K7** [Rus98]. **K7**^{TM} [Obe99]. **Kāshı** [Aab54]. **Kōbe** [FvdHJT10]. **Kōriyama** [SO89]. **Kapteyn** [DTLM98]. **Karatsuba** [Zim99]. **Kaufman** [AEF92]. **Kaufmann** [AEF92]. **Kelvin** [Bur63]. **kernel** [WO15]. **kernels** [Mus87]. **Kershaw** [GLP98]. **Key** [AFC10]. **Kiev** [Köl90]. **Kind** [Bar10a, Boe61, Car77a, Car87, Car88, CMF77, Cod83, DH59, Fet65, Fra65a, Gau64a, GST02d, Jab94, Mec66, PS05, Sko75a, Tem75a, Vel11, War60a, ZC70, BL96, BZ92, Boy15, Bul69a, Cob69, CV03, Fet81a, Fuk10, Fuk11, Gau65b, GST03a, Gla74, Her61d, Her61e, HvdR63, Lar66, Mid75, PDK96, Sca71, SG99, Tak22, Tem76, Tha63c, WC90, Wen96, YM97, YM03, Zai93, Bra70]. **Kinds** [FL67, LW63a, LW63b, Van69, Mor99]. **Kingdom** [Boi97, IEE89a]. **kink** [Paw11]. **Klein** [Bar84b]. **known** [BMR04]. **Koecher** [Bau89]. **Koechers** [Bau89]. **Koeffizienten** [Bra65]. **Kohlrausch** [ZLA13]. **Kolmogorov** [Pom76, Pom74]. **Komlos** [Ein89]. **Kompleksmuutuja** [Jür66]. **komplexe** [Bra87, Krä87]. **Komplexen** [Töl67b]. **Kong** [DIW00]. **Konstante** [Bau89]. **Konstanten** [Sti53]. **Konvergenz** [Ost37]. **konvergenzbeschleunigenden** [Sch68]. **Konvergenzbeschleunigung** [Alb62]. **Konvergenzverbesserung** [Hom96b]. **Korea** [HY14]. **Korotkov** [Lip21]. **Kryachko** [Har01]. **Kummer** [Gau77a, GST15a]. **Kuramoto** [AGH89]. **Kutta** [Cas83]. **kvadratroden** [Ped80]. **Kyoto** [TBL19].

Laan [Köl87]. **Lab** [Fet81a]. **Laboratory** [Low49]. **Lagrange** [Blo88]. **Laguerre** [Air37, BBC08b, CIM94, DGA18, DGS18, GST17, GM84, Kza99, PGA18]. **Lambert** [Gau11, Goe14, JHC96, Jef17, Joh20a, MS16, Miy19, Pak18, Veb12]. **Lanczos** [BCEP94, God01, Pug04]. **land** [Ars81]. **language** [Che81]. **languages** [ISO10]. **Laplace** [Fab02, Gus85, Lee92, Tem83c, Tem85]. **Large** [Bin68, Cur64, GT58, HJ67b, NPA16, TKK17, Won73a, FLS06, Gau59, GOST23, GF88, Har20, Jon06, Mas83, O'B80, RX07, Tem94a, Zha96b]. **Larger** [Gau65a, Jan77, de 77]. **Last** [Ziv91]. **Latency** [ALMN05, Bru22, PB08, SR14]. **Lattice** [SLZ05, Har77]. **Lauricella** [BK16]. **law** [Deh89, Pak18]. **layer** [Bel89]. **layout** [SR81]. **Leaky** [Har97b, Har98, Har01, Har08, PHH08]. **Learning** [OJL22, BL71, Lit89]. **Least** [DB13, Sto41, Rei86]. **Lebesgue** [Blo88, Bos89]. **lecture** [HUY07]. **Lectures** [Tal68, Tri66, zCFF05]. **Legendre** [Jan77, Töl67a, Bra73, Bre18, BL45, Cob69, Gau65a, HT13, HS20, JM18, LW95, Lew69, SSG$^+$18, SOL81, Ste64a]. **Legendresche** [Töl67a]. **lemniscatic** [Eck77]. **Length** [SH72, HHv$^+$73, Hon71, von84]. **Leonhard** [Dav59]. **Lerch** [GS88]. **Less** [Bak92a]. **Letter** [Cat86, Cod67, Fik67a, Kin65, Knu63, McC90, Rev90, Swa65]. **Letters** [Rah01, WTA$^+$90]. **Leuven** [IEE08, KV03]. **level** [BJM22]. **libcerf** [Ano15]. **Libcint** [Sun15]. **Libm** [Ano14, LMOT01, dDEG05]. **Libraries**

[IEE99, MMNP91, Kuk71, LKK19]. **Library** [AK09, Ano22, Bee17, DLM09, FHS77, GB91, Joh20b, KDDH92, KDDH94, Kuk66, LMS99, Loz03, The21, McC02, Mor75, Mor81, Mor90, Mor93, PW76, Sch76b, Sch77b, Sch88b, SP20, TGC89, Tho87, WWG82, ZOHR01, Ano14, CTA22, FHL+07, KA71, Lau95, Lau04, LMOT01, Mar03, Neh07, Sun15, Wil96, DG99, ISO10]. **Lie** [Die80, CK88, Mil68, Var95, VK95]. **Like** [Köl87, Ngu98, NS13, vdLT84]. **likelihood** [Gom89, vR89]. **Limit** [Hin77, JW88, Lem88, LW89, RX07]. **limited** [EM03, LP62]. **Limits** [CM13a, Gon52b]. **Line** [BH18, Erc78, OE82, SMG94, Boe91, DHM89, Frö63a, PBE03]. **Linear** [DGS65, Jam81, KP75, LB90, Ng77, Olv67a, Olv88, SF79, YH89, Ano67, BDGB83, CG89, Die80, Ge89, Gon89, Joh20c, Joh20d, Joh88, KMY89, Lev73, Lev91a, Lit89, Luk56a, Luk56b, Meg89a, Olv67b, PS05, Tan90b, Via89, Was89, vR89]. **linear-threshold** [Lit89]. **Linearized** [HBS00, Ehr89]. **lines** [BF92]. **link** [Wil96]. **Linux** [IBM05]. **Lipschitz** [DK90, Som82]. **Literature** [Pri66]. **LNS** [DMS95]. **local** [Kee82]. **locally** [Vai89]. **Locating** [PNV01]. **Log** [MJ13, OTY91, BS11, Har97a]. **Log-Depth** [OTY91]. **log-Gamma** [Har97a]. **Log-quadratic** [MJ13]. **log-sine** [BS11]. **Logarithm** [AS10, CH67, CVV65, Cus83, Has66, Kah04, Kar84, Kir88, Köl72c, LP16, LP17b, Lin09, LA85, LC87, Mac89, MW83, PEB04, Rev16, SK71, SMG94, Tan90a, Tan90e, AM12, Che71, Deh89, Epp89, Köl84, Per85a, PEB02, dDLM04, PH66]. **Logarithmic** [CET62, CLOT86, KP69, SF79, XD18, CS83, GEK04, Hit74, Joh20c, Joh20d, Lit89, QL19, Sed90, Sko04, Fog51, Zuc64]. **Logarithmically** [Osa90, DGB82, GQ09, Hom99]. **Logarithms** [Che72, Mar72, Car72, LBdDM16]. **Logic** [Cow64, LA85, PL19, Sch73]. **Logistic** [Lin90, BKKC09]. **Lommel** [Boe62, FS92]. **London** [BBdD17]. **Lookahead** [KNS95]. **Lookup** [GBS19, dLSGDR17, SS97b, Tan91b, Par99]. **loop** [Dam94, Mim88]. **LORIA** [Ano06]. **Loss** [Zag19, DAV12a, DAV12b]. **Lost** [Car74]. **Lösung** [Die83, Rut51]. **love** [Yos97]. **Low** [AH10, ALMN05, Bru22, Car75, HFS99, NL99, RHMLL08, SR14, KP98, MI97]. **Low-Complexity** [RHMLL08]. **Low-Latency** [Bru22]. **Low-Order** [Car75]. **Low-power** [NL99, KP98]. **Lower** [Tro84, WLK11, Bel89, CPG12, Fre09, Töl43]. **lower-bounds-to-circuit-size** [Bel89]. **LSFBTR** [Tal83, Tal84]. **LSI** [Atk79]. **Lubbock** [IEE85]. **Luigi** [GG08]. **Lyon** [Ano03, MTV15].

M [Fet81b, Köl87, Köl97]. **MA** [TT18]. **Macdonald** [FLR03]. **Machine** [Lan42, OJL22, Sch76b, AOB64, Bar81, Bel89, GB90]. **Machinery** [Cah54]. **Machines** [Bow53a, Gus86, Lin57, Rot70a]. **Macrocell** [BH07, AHM+98]. **MAD** [BBC+91]. **Madelung** [CB87]. **Madison** [Ask75, Lan59]. **Magic** [HMO19, MWH+16, MWH+18]. **Magma** [ES10]. **magnitude** [Zha96b]. **Magnus** [Coh12, Szm13, Wig67]. **major** [SL97, Ein89]. **Make** [Wil96]. **man** [Ped80]. **manifold** [AGH89]. **manipulation** [Kra95]. **Manipulative** [Sun71]. **Mantissa** [von84]. **Mantissenlänge** [von84]. **Manual** [CW80, Ful81b, Ful81a]. **Many** [Sal53, Sle64, KW21]. **Maple** [ES10, Zei91].

mapping [ZA14]. **March**
[Ask75, Ban01, IEE85, Koo91, Men06, MT85, MT86, Ric92, SKL93].
Marcum [FK11, GST14a, LKF10, SF10]. **Markov** [Rac82, Whi82].
Martingale [RT89]. **Maryland** [IEE99]. **Mascheroni**
[CM13a, Che16a, Che16b, Chl11, XC17]. **Massachusetts**
[ACM87, IEE89c, IEE05]. **massively** [BBC+91]. **massively-parallel**
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Math [Alz98, ASA06, Ano84, Fra81, Joh87b, Kuk66, Lew87, MMNP91,
McC02, Per87, Sha76, Wil96, Wim72, CTA22]. **MathCW** [Bee17].
Mathematica [BK16, ES10, Kra95, Tho97b, Tho97a]. **Mathematica-based**
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[AS64, And82, Ano22, Arf85, AW01, AW05, AWH13c, Arn77, Bee17,
BCD+10, BCD+20, BL02, BdDKL15, CHG+11, DHL+04, ES10, Fik68,
FHS77, FvdHJT10, Ful80, GB91, GS14b, HBF09, Hoc71, Hoc86, HY14, JS56,
JS99, Kuk71, KL14, LFB60, LČJ63, Loz97b, LMS99, Loz03, Luk75b, Luk77,
Meg89b, Mor75, Mos89, Mul82, OLBC10, Osi13, RW77, Rap14, Ric71, SP20,
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Tho97a, FvdHJT10, Gre16, IBM05, Sne63]. **Mathematical-Function**
[Bee17]. **Mathematician** [Bat07]. **mathematicians** [Hay99, Wen09].
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[Ask75, BB12, Bir54, BDL+01, Car77b, DG99, FR98, HDG+15, Mor81,
Mor90, Mor93, Mur88, RW04, And98, BL71, Gau94, Joh11, Mur99, Gau94].
Mathematische [Sne63]. **mathematischen** [Sne63]. **mathematischer**
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Maths [LK21]. **MATLAB** [Bat19, ES10, API+19, Zen04, RKZ+14].
Matrices [Leh96, HHR00]. **Matrix**
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May [AFI71, CDS00, IEE81a, IEE81b, IEE99]. **McDougall** [Fuk14b].
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Alz98, Alz03, KPPS08, MH72, Sal89, Tod90]. **Means**
[Fet65, Fil66, Gus66, Mül90, von80, BS06, CS11, Fer86, Kon76, Leh71,
MMV81, MS87, Saa91, Tes69, Wen10]. **Measure** [DR94a, DR94b].
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[Was89]. **Mechanical** [SG02a, CK89a]. **Mechanically** [Rus98, Rus99].
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Memoriam [Dav59]. **Memory** [LJ13, Kog89, Tak00]. **Memory-Efficient**
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[BC23, BCE+08, BEM12, Car74, Cow64, Ded26, DJ62b, DJ62a, Erc75, Erc77,

Esc37, FK19, Fle68, GZC22, GW91, Hol69, Joh89, Kal34, KP69, LaF54, Lan42, Lin79a, Lin72, LJ13, Mar05, Osa90, Ovt03, Plo96, Sar59, SF96, SZ05, SS99b, Sto41, Tra60, TS76, Van69, WMBE14, WN09, Wyn72, Yon70, Ypm95, Aab54, AM12, Ali11, Bar82b, Bar84a, Bor82, DK82, Dom03, Fab02, Fuk14b, HTHR94, Hai60, HR05, Hit74, HF95, Hor19, Kon76, KI04, LG79, LP95, LP83, Lyo91, Mag94, Mar77, Mat90a, Now06, Ole96, Ost37, Ost38, PR04, Puo88, Rap01, RdC93, Rei86, Sch68, SdCR97, SZ77, Sko05, Tru11, Tur43, Vai89, VT11, Via89, VB81, Yun14, Zai93, ZB95, Zha95, Zha96a, Rap94]. **méthodologie** [Mul86]. **Methodology** [Sho02, Mul86]. **Methods** [AW05, AWH13c, BR73, BPT76, Bre82b, Cas83, Dub83, Fik67b, Fra65b, FR76, GSS12, Gau75, HF09, HR07, ITY95, JS56, JS99, Meg89b, Mos89, Ng75, RGK72, Sid03, SZ70, SZ74, SZ76, Tem15, Ull90, Vla02, AGS99, Ano98, Arf85, AW01, BDGP13, BDGP14, BL71, Boy89, Boy01, Bre75b, Bre76b, Bre78b, Bre85, Bre88, BR91, Cuy94, Epp89, FGG82, Gab79, GST07a, Gus84, HP93, HBF09, KK96, Kru99, LVV05, LLK14, McC77, Mei67, Mon83, Mül93, NS13, Oli75, Osa94, Özb06, Pas10, Pas11, POP17, PC93, PKP74, Pol88, RW77, Roc82, RDK98, Saf10, SS98, Spi85, Sti59, Wat90, Wim82, Die83]. **metodom** [LP83]. **metric** [Som82, ZSA86]. **Mexico** [IEE91]. **MHz** [PZ95]. **Michigan** [IEE81a, IEE81b]. **Micro** [DSK83, DSK84, Ber84, Bic81]. **Micro/mini** [DSK83, DSK84]. **microcode** [Rus99]. **microcomputer** [Mil89]. **Microcomputers** [AMT78, AJMT81, MTP82, Völ83]. **Microprocessor** [And82, Die83, HAK91, Obe99, Sin96, SL97, Kun81]. **microprogramming** [Hit75]. **Mie** [Len76]. **Mikrorechner** [Völ83]. **Mikrorechnerprozeduren** [Die83]. **Military** [MC87, MC90]. **Miller** [LP88, Mil04, Ter81b, Zai93]. **Milton** [Dav59]. **mincing** [Bel89]. **mini** [Ber84, DSK83, DSK84]. **mini-micro** [Ber84]. **Miniaturized** [Luk71a, Luk71b, Luk72]. **Minimal** [Met65]. **Minimax** [Fra65b, LW95, POMB05, Fuk15d, Fuk15b, Let97, Pol88, Wan82]. **minimization** [Dan77]. **Minimum** [XLW+20]. **Minkowski** [Kra89]. **Mirakyan** [Sun88]. **Miscellanea** [Ham78, Lin90, Pag77]. **Miscellaneous** [Ste64b]. **MISCFUN** [Mac96]. **Mises** [Bir54, Deh89, Hil77]. **Mistake** [Lit89]. **mittels** [Mül90, von80]. **mixed** [IS88]. **Mizan** [IK05]. **mnogochlenami** [DZKK77]. **Mnogoznachnye** [Bar72]. **mod** [Tur94]. **Model** [CHG+11, Fra78, Gom89, Wen01]. **Modeling** [Sho02]. **modelling** [Sob88]. **models** [Ric88, SC81, vR89]. **moderate** [GOST23]. **moderate/large** [GOST23]. **Modern** [HH18, BL71]. **modes** [LN22]. **Modification** [Bar76a, Bar76b, WS06, Bar84c, ITY97]. **Modifications** [Ree90]. **Modified** [BHK09, Bra73, Bur74, Car74, Cod83, Ded26, Ful72, GST02d, Hin77, Lin79a, Mec66, Nas74, PT91b, Rap14, Sch78b, Tem75a, TB87, Vel11, XD18, AS97, Amo74, Bla74, BO75, CST18, CV03, DT09, DC81, Fab02, GS81, GS78, GST03a, GST04b, Hei88, KMB94, Kas80, Laf91, Las82, LG79, MV98, NR15, Par72, Sca71, SdCR97, Tak22, Tem86, Wal84, WC90, Zhu10, Fet63, GST04a, Tho04]. **Modifying** [WMC21]. **Modular** [DMMM95, Por20, BY19, BBB89, WTM05, Yos97]. **Module**

[Kod11, LD89, Bas01, EL89a, GST12b, MM92]. **Modulo**
[ADN03, Tor02, BH99, Per85a]. **Modulus**
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[LDP93, Saf10, WO15]. **Møller** [Hom96b, Hom96b]. **moment**
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most [LM07]. **motion** [AB93]. **motions** [CZ10]. **Motivation**
[Tod54, Tod55]. **Moursund** [Fik67a]. **MP** [KB90]. **MPFR** [FHL$^+$07, The21].
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MTAC [T.57]. **Much** [Kah87, QW06]. **Multi** [Sch76b, Saf10, Zag24b].
multi-accuracy [Zag24b]. **multi-center** [Saf10]. **Multi-Machine** [Sch76b].
multi-precision [Zag24b]. **Multidimensional** [Dem89, Var95]. **multigrid**
[BD85, RdL01]. **Multilayer** [HSW89]. **Multiplace** [Bar72]. **Multiple**
[Bre75a, Bre75b, Bre76a, Bre76b, CM13b, EG97, Gar80, JKD92, Joh83,
Kor11, Krä93, Smi91, Smi11, CV03, Deh89, FHL$^+$07, LN22, Smi89, Smi01,
Tak00, Zag24a]. **Multiple-grid** [Joh83]. **Multiple-Precision**
[Bre76a, CM13b, Kor11, Krä93, Smi91, Smi11, Bre75a, Bre75b, Bre76b,
FHL$^+$07, Smi89, Tak00, Zag24a]. **Multiple-term** [EG97]. **Multiplication**
[Alt79, BR73, GKK00, JJ65, LD89, RGK72, Rus98, WS06, CL95, EL89a,
ITY97, McC77, MM91a]. **Multiplication/Division/Square** [LD89].
Multiplications [ST74, GLM15, Win70]. **Multiplicative**
[Bak75b, SL95, Che71, ITY97]. **multiplicities** [Zen04]. **multiplier**
[HFS99, SF93b, WG92]. **Multipliers** [Ahm89, ELMT00, WS05a, WG94b].
Multiply [BDL09, ZG87, ITY96, MM92, WMDM92]. **Multiply-Add**
[BDL09]. **multiply-additions** [ITY96]. **Multipolar** [Hom98a].
Multiprecision [Bai93, BM15, CVW06]. **Multistep** [Ske86a, Ske86b].
Multivariable [KS20, DCL$^+$92]. **multivariate**
[CKL89, Ein89, Gom89, Rac82, SLD16, Ter81a, vR89]. **Multiword** [JF16].
MultRoot [Zen04]. **Murphy** [Mei83]. **must** [Wil96]. **Mutual** [Kin21].
mutually [BPT76]. **my** [Yos97].

N [Köl87, Lip21, Kog58b, Kog58a]. **Nīlakantha** [Hay99]. **nach** [Töl68].
NAG [Sch77b]. **Nakagami** [SK11]. **Nakagami-** [SK11]. **Nancy** [Ano06].
narrow [MO18]. **Narrowing** [HJ96]. **National**
[Ban01, Low49, Mul82, AEF92]. **nationales** [AEF92]. **Natural**
[CH67, LP16, Bar14, Epp89, Nag68]. **Naturwissenschaftler** [Bar14].
Naukova [Köl90]. **Navier** [HBS00]. **NBS** [Loz97b]. **Near**
[BS98, Fra65b, Zag19, Ehr89, Let97]. **near-field** [Ehr89]. **Near-Minimax**

[Fra65b, Let97]. **nebst** [Rot70a]. **necessary** [Win70]. **Need** [BBM84]. **needed** [QW06]. **Needs** [Loz94, Loz96b]. **négatifs** [DGB80]. **Negative** [CP98, GRAST16, Tho13, Ada98, BS84, LVV05, NT84, Tem96b, DGB80]. **neighborhood** [Sko04]. **neighbourhood** [Mid75]. **nel** [AN68]. **Nemes** [Che15a, Che16e, LSM15, LM15b]. **Nepreryvnye** [PS93]. **Nested** [Dom03]. **Nesting** [BFHT85]. **network** [SR81]. **networks** [HSW89]. **Neuenahr** [MT85, MT86]. **Neumann** [Col78, GF88, Her61a]. **Neuromorphic** [MLS+18]. **Nevada** [AFI69]. **Neville** [Håv79]. **Newman** [Bor82]. **Newton** [BC23, Bor21b, Car74, CHGM99, DK82, HR05, KMB94, KP69, KI04, MM91b, Mou67, Nin70, Ost37, Ost38, Vai89, WMC21, WS05b, Ypm95]. **Newton-type** [Vai89]. **Newtonschen** [Ost37]. **Nikolai** [Lip21]. **Nimes** [AEF92]. **Ninth** [Sin95]. **NIST** [Loz03, OLBC10]. **No** [Fet81a, Laz85, Wil70, ACG+87, Chr62, Fra81, Frö63b, Joh87b, Lew87, Per87]. **Nodes** [HT13, JM18, Ben98]. **nombres** [Che88, Mul85b]. **nome** [FNC75]. **Non** [Arc43, Int03b, MCT18, OLHA95, PS05, Raf70, AB88, Lev73, LC96, LC97b]. **non-characteristic** [AB88]. **Non-IEEE** [Int03b]. **Non-Integral** [Raf70]. **Non-linear** [PS05, Lev73]. **Non-Restoring** [MCT18, OLHA95, LC96, LC97b]. **Non-Sexagesimal** [Arc43]. **Noncentral** [Rob69, GST15b]. **nonconvex** [Ubh89]. **Nondiagonal** [Dri95]. **Nonlinear** [Cuy94, DB13, Hom94, MKY92, Wen89, Mus87, NS13, Wen96]. **Nonnegative** [Amo86, Amo90, Amo95, Kod08, SG98]. **Nonrandom** [Bat07]. **Nonrestoring** [MK71, Wal80]. **Nonstandard** [Ric88, Bel89]. **Nonstiff** [Cas83]. **nonuniformly** [FK88]. **Norfolk** [SKL93]. **norm** [Akr85, Glo89, JMS98, Rei86, HH18]. **Normal** [Cad51, Car75, Div79, Dre78, Ham78, Haw82, HJ67b, HD73, Hil73b, Hol70, KC76, Lin90, Lin09, Mac65, Mar04b, Mor80, Nor89, Pag77, PR82, PR96, Sha85, She54, Sho05, VLCSFN+12, YBR11, Bad76, Bag95, BKKC09, Bry02, Cho14, DAV12a, DAV12b, KPPS08, Lee92, Lin89, Mac68, MZM94, MRS18, McC90, Rev90, SE14, Töl67a, Ved93, WR96, Wes05, Yun09, vR89, Ber68, Cyv64, HJ67a, HJ67b]. **Normalintegrale** [Töl67a]. **Normalized** [SOL81, Bun09]. **normally** [Ehr89]. **Norms** [BJK+11, CJL09, GLT+15, Mag94]. **North** [BCEP94, IEE89b]. **notation** [CK89a]. **Note** [Ano84, BH99, Cle55, Cra06, Gau99, Gla79, God01, Leh44, Mil57, NSR10, OS72, Sal83, Ver67, Boo55, Fis73, FW85, HR72, LK73, Pro83, Tuk48, Wri84, Zha96a]. **Notes** [Boe61, Boe62, Bur63, Bur64, Esc37, Fet67, Fra65a, GB68, Gla66, Har66, Har49, HKW60, Hea65, Hum64, JJ65, Jam99, Kal34, Lan60, Lon59, Lor89, Mec68, Moo67, SF59, Tak66, Tho65, Tho66, TM68, Ver67, WC61, Wil68, WKG66, Woo67, HUY07, LM07]. **Nothing** [Kah87]. **Notices** [Moo67]. **Nov** [FBM04]. **Novel** [Bas01, RJM+20, SF10]. **November** [AFI69, Ano91, AEF92, IEE89b, IEE91, Sin95]. **novembre** [AEF92]. **NP** [RT89]. **NP-complete** [RT89]. **ns** [MIT+95]. **NS32000** [Cam86]. **NSWC** [DG99, Mor81, Mor90, Mor93, TGC89]. **NSWC/DL** [Mor81]. **Nullstellen** [Mah30]. **Number** [DLM09, Fri67, Has66, Her61b,

Hig18, Ngu98, OTY91, SH72, ST74, Tan89b, Bre74, BW00, Che88, GI01, GB90, Har14, Hon71, LP83, Per85a, KR86, Str59, VRS+95, VRS+99, Win70]. **number-machine** [GB90]. **Numbers** [Ano03, Ano06, BB88, CVV65, FBM04, GS99, Has90, KB67, Maj72, Sch16, CL11, DM91, Ele15, Fil92, Kul07, LKKH99, Mul85b, Nag68, SW88, Tre80, XC14]. **Numerical** [Abe88, BM15, Boi97, BO75, Bul65a, Bul65b, Bul69b, Car95, Cas83, CY18, CH70a, CJR91, CJR92a, CJR92b, Cow77, Daw97, Dub83, DK90, Ehr61, FP68, Fra65a, Frö55, FI94, Gar79, GS81, GST07a, GST20, Gus66, HL13, Hul78, IP87, Jab94, JL12, KW21, Kin21, Kin24, Kin07, KZ90, Lau95, Let01, LB90, LO94a, LO94b, Mat04, Mil75b, Olv67b, POP17, PTVF07, Pri66, Pro87, Sti59, Tem75a, Tem00, Tem07, Ull90, Wat90, Wie99, AGA+80, BGV81, Boy14, Bre18, Bre77, Bre78c, Bre78b, Cuy94, Ein79, Ell83, EH16, Gor82, GP84, HvdR63, Hor19, Lan59, Lau04, Mei64, Mei67, Mil75a, MN16, Mül93, NSU20, PBN93, RdL01, SGA81, SL83, Spi85, Tem76, Tem83a, Tod54, Tod55, VRS+95, VRS+99, Wil71, Zag24b, Zha96b]. **Numerically** [GST07b, Tal09]. **Numerics** [Nav83, AAS93, Squ91c, Squ91b]. **numérique** [Bre77, Bre78c]. **numerische** [Mei64]. **NumExp** [HL13]. **NumSBT** [Tal09]. **Nuttall** [Pak18].

Oak [Cow77]. **Ob** [DZKK77]. **Oberhettinger** [Coh12, Szm13, Wig67]. **Objectives** [Kuk71]. **Obtaining** [Sal53, SK71]. **occasion** [AGA+80]. **occurring** [AJ03, Boe91]. **Oct** [Ull90]. **October** [IEE89b, IEE89c, Lav80, Sin95, USE88]. **ODEs** [LO93]. **Odnomernyĭ** [PS93]. **Off** [Kuk71]. **Ohio** [Fet81a]. **Old** [FR98]. **On-Line** [Erc78, OE82, SMG94, PBE03, DHM89]. **On-the-fly** [EL89b]. **One** [BTT16, Gau65a, Hit57, LN22, Lir71, PS93, SLZ05, BBB89, Pól49, SF10, Spi85, Tes69, Car91, Jan77]. **One-Dimensional** [BTT16, PS93]. **One-Half** [Lir71]. **one-step** [Spi85]. **One-Variable** [SLZ05]. **Ontario** [Bro07, SIJ93]. **Ontwikkelingen** [Dop42]. **Onvolledige** [Dop42]. **open-source** [Joh12]. **OpenCL** [MHSK16]. **Operand** [EM04a, EM07, WS06, EM04b, ITY97]. **Operands** [SF16]. **Operating** [Rot70b, Sho86]. **Operation** [SF16, SF96, SF93a]. **Operational** [BC79, BDGP14]. **operations** [BWKM91, Flo61, Gon89, LBdDM16, Sch93a, Sch93b, TE06, VCV01]. **Operator** [von80, FS96, Sun88]. **Operatorkonzepts** [von80]. **operators** [AHM+98, CG89, GS82a, GK89b, Hei88, Mit92, Whi82]. **Optimal** [AM89, Ge89, MM91b, Mou67, Wil70, von80, EH16, Fik67a, McC77, Meg89a, Roc82]. **optimaler** [von80]. **Optimization** [Dan77, DB13, Gly89, OLHA95, RdL01, Sin96, Pol88]. **Optimizations** [BJG+99]. **Optimized** [AK09, ABJ19, BM04, MCT18, Por20, SK08, WO15]. **Optimizing** [LGML05]. **option** [SR16]. **oracles** [Boy14]. **Order** [Amo86, Amo90, Amo95, Ano46, Ant64, BH65, Car75, CMF77, Cur64, FK11, FR76, GCP67, Hit57, Kod08, Kod11, Lau73, Let01, LB90, Lir71, Mec68, Olv64, Olv67a, Osi13, PT91a, PT91b, Rap94, RL80, SW99a, Soo73a, Soo73b, Abe16, Abr45, Ada98, AG08, AM78b, AM79, AM84a, AM84b, Bar81, BST13, Bre18, Cam79, Cam81, Cam84b, Cam84a, CP66, Coc65, Col80, Col84, CS82,

DAV12a, DAV12b, EM94, Fuk15d, Fuk15b, GST04a, Gla74, Gra61, GM88, Hai60, HR07, Jon06, KK96, KWY07a, KWY07b, KRVZ98, Kra85a, Kra85b, Lev91a, LS95, MG89, NR15, NP18a, O'B80, Olv67b, Rap01, RdC93, RX07, KR86, Sca71, Sch93a, Sch93b, SS65, TB86, TB87, Tho04, XC15, de 77, dT93]. **order-differential** [KR86]. **Orders** [Alh00b, GST02d, NDT69, ND70, Alh00a, CT67a, CT67b, GST03a, GST04b, Hor19, IKF91, SG98, SG99, Wal84]. **Ordinary** [AO08, Bra73, Cas83, Tem79a, Sca71, Tem76]. **Oregon** [BCDH09, CLT20]. **organization** [Sal76b]. **Oriented** [Erc77, MKY92, PP12, AGA+80, OY91]. **Original** [Chl11]. **Orlicz** [Mus87]. **Orthogonal** [BGVHN99, DGA18, DX01, DX14, Hoc64, Hom98a, IA20, KV03, PGA18, SC01, Sue99, VB04, CKL89, CV03, DM08, El 06, Elb01, Hom94, Pas08, zCFF05]. **OS/360** [Kuk66]. **Oscillating** [UE05]. **oscillatory** [BO75, CY18, KW21, Vep08]. **Other** [Bal00, LC61, MR71, Olv91, Air37, Boy14, Squ91b, SR53]. **outer** [Fuk83]. **outline** [CHGM99]. **Overconvergence** [Ehr89]. **Overflow** [KNS95, LM07]. **overhead** [MI97]. **Overlapped** [PZ95]. **Oxford** [Boi97].

P [Coh12, Fet81b, Köl97, Kun81, Szm13, Tal68, Wig67, Frö63a, T.57]. **P.C.** [WNO94]. **P.D.E.** [Fri72, SM70]. **Pacific** [Sin95]. **Package** [Amo86, Amo90, Amo95, Cod75, Cod91, Cod93a, Cod93b, Dri89, Kod08, Mat87, Sal92, Smi91, Tan90c, BC09, Bai21, Dri91a, Dri91b, Dri91c, GST15b, Joh12, KRVZ98, Mac96, Squ91a, Squ91d, Tan91a, VRS+95, VRS+99, Zen04]. **Packages** [DPC95, BK16, Kra95, Squ91b]. **Padé** [AGJ86, Bor88, Dri95, DF78, GSS12, KSVW07, Sab08, WdZ04]. **pair** [HFS99]. **Paleo** [BB12]. **Paleo-Mathematics** [BB12]. **paper** [Tra60]. **papers** [Spr00, Boe61, Boe62, Bur63, Bur64, Fet67, Fra65a, GB68, Gla66, Har66, HKW60, Hea65, Hum64, JJ65, Lan60, Lon59, Mec68, SF59, Tak66, Tho65, Tho66, TM68, Ver67, WC61, Wil68, WKG66, Woo67]. **Parabolic** [Jon06, Mil64, SG98, WR71, DGS24, GST06a, GST06b, GST11b, LR74, MMV81, RL76, SGA81, Tem00, GST11a]. **Parallel** [Bak75b, CA00, Gar75, Gar80, LC97b, LO93, RHMLL08, SS93b, SKL93, Tan87, BBC+91, Joh88, Mat90b, PNV01, Sg92, Tak00, Tak22]. **Parallel-array** [LC97b]. **Parameter** [Sau92, Töl68, AG08, DD76, EC13, Fuk09b, Fuk15c, PS78, Roc82, YM03]. **Parameters** [DJ67, NPA16, Won73a, BS00, Bus74, GS88, GOST23, Har20, KWY07a, KWY07b, MM95, Tem94a, Tem96b, Töl68]. **Parametrized** [RJM+20]. **Park** [IEE89b]. **Part** [Fet81a, NPA16, SZ70, Kru99, LU96, Ben83, Cas83, SZ74, SZ76]. **Partial** [Büh03, Sch16, AO08, Bus74, HBF09, MKS83, War75]. **Particular** [Völ83]. **partition** [FNC75]. **partitions** [AGJ86]. **parts** [Tim87]. **Pascal** [von80, MKS83]. **past** [Bre85]. **Pathways** [Meg89a]. **Patras** [SC01]. **pattern** [Sid06]. **Patterson** [Fet81a]. **peaks** [Phi79]. **Pendulum** [PS05]. **Pennsylvania** [Tra76]. **percentage** [Fet79]. **perfect** [Dun90, dDM06]. **Performance** [ASA06, BTDS11, Cod90, Gal85, SK11, SL95, CL00, CP99,

Gal86, MMW91, MM92, SA00, WMDM92]. **Performance-Driven** [ASA06]. **Perimeter** [Adl12]. **Periodic** [DR89, JW88, KS88, Lem88]. **periods** [Tod90]. **Personal** [Egb77]. **perspective** [BIS01]. **Perturbation** [Hom96b, Boy14]. **perturbed** [JS89]. **Phase** [CH70b, FKY86, CS83, Hor17]. **Phase-integral** [FKY86]. **phenomena** [Sti88]. **Phi** [Hin77]. **Phys** [Tho04, VRS+99]. **Physical** [Flo15, Mat93]. **Physicists** [AW05, AWH13c, Arf85, AW01, Fet81b]. **Physics** [Hoc71, Hoc86, JS56, JS99, Sne56, Sne61, Sne80, SS70, Tem96a, VS04, VS10, Ars68, Coh12, GI01, HBF09, Her82, Hoc61, MO49, MOS66, NU88, Sne63, Veb12, Szm13, Wig67]. **Physik** [Sne63]. **Pi** [BBB97, BBB00, BBB04, Bre17]. **Pick** [Ped03]. **Piecewise** [KP75, SDP11, Fuk15b]. **Piecewise-Polynomial** [SDP11]. **pipeline** [OJ04]. **Pipelined** [Bru22, CCCP99]. **Pipelining** [TE06]. **Pitfalls** [Bol06]. **Pittsburgh** [Tra76]. **PLA** [EL89c, EL90]. **Places** [Knu62a, Sal53]. **Plane** [BDG+72, EW76, BDG+84, CM83, GJL20, Töl67b]. **platform** [CTA22]. **Plesset** [Hom96b, Hom96b]. **Plethysm** [Car90]. **Pocket** [McC90, Nor89, Pag77, Lin89]. **Pocket-Calculator** [Nor89]. **Pocketbook** [Bar14]. **Poincaré** [Hau88, Lev91a, Pas92]. **Point** [AAHTH10, BM04, Bli97, Bra87, CH98, DGS65, D+89, DHL+04, GB91, Has90, Hul78, IP17, JKMR11, JMMW79, Kah80, LP16, LP17a, LP17b, LM15a, LD89, MMNP91, Meg89b, Mey01, MLS+18, Rev16, Rus98, Sch88b, Smi91, Tan89a, Tan90e, Tan92, WS05b, dDLM11, dDI15, Ano67, BBC+91, BS06, BWKM91, BCK+93, Bol06, BMR04, CHGM99, Cro92, FHL+07, GLM15, GM88, HHR00, Hou81, HS20, JM17, KMB94, KMY89, Krä88, Kra98, Kul07, LBdDM16, LKH93, LC97a, LMOT01, MT72, MG89, MPG92a, MPG92b, Mat90b, OY91, Obe99, OJ04, PKS00, Rus99, SF93b, Sko04, Smi01, SL97, Ste89, Ste08, TE06, TRHH94, Vav89, VCV01, WN03, dDM06, dDP10, dDIS13]. **Point/Integer** [D+89]. **Points** [Bra87, BEM12, FCC73b, WMBE14, Bos89, DK82, Fet79, Oli75, PA86]. **pointwise** [Som82]. **pointwise-Lipschitz-continuous** [Som82]. **Poisson** [Gil16]. **Polarization** [FR76]. **Polya** [EH89, MRS17, MRS18, Sta17]. **Pólya-based** [MRS17, MRS18]. **polycrystals** [AM89]. **Polygamma** [Din58, Lew75, BHJ05, BS83, CE15, Dav35, Di 86, Köl96, Lóp98, ÖE16, QGG10, Ada98, TS69]. **polylogarithm** [Cra06, Cra12a, FK75, Vep08]. **polylogarithmic** [BBP97, Fre05]. **Polylogarithms** [Bar74, Lee97, Lew81, Lew91, Woo92, BB16, NSU20, BD14]. **Polynomial** [ADN03, AH10, BCE+08, CPCD19, Cle54, Cod65b, Eis63, ECSD20, Fik67b, Fra65b, Hit57, JKMR11, LB09, NDT69, Ric65, SR53, ST74, SDP11, Wim62, Bos89, Boy14, CB09, Dor62, DM88c, Fuk15c, Kon76, LN22, PS86, PC93, Rei86, Zen04, Wim72]. **Polynomials** [ABJ19, Bar61, Bra73, Cod67, Dan82, DGA18, DX01, DX14, DM88b, FP68, HG64, Hoc64, Hum64, IA20, KR79, MH03, PGA18, SC01, Sko75b, SOL81, Tho65, Wit68, Ano84, Bel58, Boo55, Bor10, CIM94, CV03, DM08, DGS18, DK77, DZKK77, El 06, Elb01, EMR82b, Eve64, FS92, GST17, HS20, Knu62b, Knu63, Knu98a, KV03, Kra85b, KI04, Mot55a, NR15, Pan59a, Pan59b, Pow88, RW72, Rac82, Rap01, Ric92, Sal83,

SL83, SZW11, Sue99, Tes69, Tim87, ZZ11, zCFF05]. **polytype** [Vai89]. **pomoshch'yu** [Saa91]. **Popov** [Köl90]. **porous** [YH89]. **PORT** [FHS77]. **portability** [CTA22, Cow77]. **Portable** [Amo83, Amo86, Amo90, Amo95, Bee17, Cod91, Cod93a, Cod93b, Ful77, KDDH92, KDDH94, Kor11, Rum01, SP20, Tan88, Tan90c, ZOHR01, AHM+98, Tan91a, VRS+95, VRS+99]. **Portland** [BCDH09, CLT20]. **Posit** [OJL22, XLW+20, RJM+20]. **Positive** [CPCD19, Pie84c, TM68, Bar84b, CG89, GST04a, GST04b, HR88, IS88, IS90, IKK91, IS92, LW96, Let96, LU96, NP18a]. **positivity** [Ric92]. **possible** [LW96, LM07, LU96]. **Post** [dDEG05]. **Post-ultimate** [dDEG05]. **posteriori** [Kai89]. **Potential** [MS68, Sti88, Vai89, Wil96]. **Potentials** [FR76]. **pow** [LL09]. **Power** [NKY08, Rei69, SF16, Sta17, Wyn60, BBD03, BF92, Gus78b, Gus84, Kat78, KP98, MI97, NL99, Wen10]. **Power3**^{TM} [AGS99]. **powerful** [SW88]. **Powering** [PEB04]. **powers** [Boy09, GLM15]. **pp** [Lip21]. **Practical** [Ike76, Sid03, Luk56a, Luk56b, Töl43, Töl50, Töl66, Töl67b, Töl67a, Töl68, Töl69, Töl70]. **practice** [BR91]. **practitioners** [Tho97b, Tho97a]. **Praktische** [Töl43, Töl50, Töl66, Töl67b, Töl67a, Töl68, Töl69, Töl70]. **Precise** [Abe88, Fuk11, Fuk13a, Fuk15d, Fuk15b, Fuk15a, Fuk15c, HJ96, IM99b, LA85, Wil12]. **Precision** [Ahr96, BY07, Bre76a, Bre06, BJK+11, CHG+11, CM13b, Cod64, DPC95, Fat16, God20, HA85, HA86, Joh14b, Joh15a, JM18, Joh21, KM97, Kin65, Kor11, Krä93, Lan64, LP16, LP17b, LL09, LM03, Let01, Lew75, LE95, PB02, Pot14, SH72, Sch88b, Smi91, Smi11, SG72, Swa65, TS69, Yar67, Ano14, Bai21, Bar82c, Bre75a, Bre75b, Bre76b, BM80, Che09, DAV12a, DAV12b, DSK83, DSK84, EM03, Fer86, FHL+07, FW80, Fra81, Gab79, Gau11, HXX22, Hon71, Joh14a, Joh15b, Joh20a, Joh20c, Joh20d, KM93, KO94, KA71, LC97a, Mar00, Mar03, NP18b, Par09, QW06, Sca71, Smi89, Smi01, Spe72, Tak00, TE06, VCV01, WG94a, WG95, XLX+83, XL94, Zag24a, Zag24b, dDLM04]. **precision-** [VCV01]. **Predicting** [AMM21]. **Predictive** [Bak73]. **prefixed** [HR07]. **Preparation** [WWG51, WWG57, WWG82, RW72]. **Prescaling** [EM04a, EM07, LM95, EM04b, LM92, LM99]. **prescribed** [Hay99]. **Presentations** [Bor02]. **Presented** [Bir54]. **Press** [Lip21]. **Priblizhenie** [PT80]. **priblizhenii** [DZKK77]. **priblizheniĭ** [Saa91]. **prices** [SR16]. **prilozhenii** [PT80]. **primal** [KMY89]. **primal-dual** [KMY89]. **Prime** [JF16, Per85a]. **primitive** [Dri91b]. **Primitives** [Laz85, EM03]. **Princeton** [HDG+15]. **Principal** [Har97a]. **Principled** [OLHA95]. **priori** [Krä87, Kra98]. **priors** [GK89a]. **Probabilistic** [Chi20]. **Probabilities** [GSS12, GW91, Whi63, Bag95, Düm10, SLD16]. **Probability** [Car75, Div79, Lin90, LB09, SZ70, ZS64, CD02, CDS03, Fei78, Lin89, Mar88, McN73, Pól49]. **problem** [Boe91, EC79, Gre82, JS89, JMS98, Mag94, Sko04, SW88, Via89]. **Problems** [Bre82a, Cas83, Ovt03, Ric68, Rob55, AO08, Bel58, CMV69, Cro92, OSS09, Ost54, Pol88, RdL01, RT89, Spi85, Was89, Wen01]. **Procedure** [Gau79b, Di 86, MH72, Ye17, HJ67b, Mac65, Mac68]. **Procedures** [Wyn62, Cod82]. **Proceedings** [AGA+80, AGL93, Ano91, ???90, ES89, Hwa85, IEE78, IEE81a, IEE81b, IEE89c, IEE91, IEE99, IP87,

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R [Coh12, Sha76, Szm13, Wig67]. **R66** [Has66]. **R66-78** [Has66]. **R68** [Bin68]. **R68-38** [Bin68]. **Radial** [BC62, Pow88]. **radiation** [OSS09]. **Radici** [RS98]. **radius** [KT59]. **Radix** [Bru22, BTDS11, CL94b, Erc72, Erc73, EL89c, EL90, HSE$^+$24, LM95, LA01, LA03, MIT$^+$95, Nan11, PBLM08, PZ95, Sal51b, Sal53, ALB98, Bak73, Bak75a, Bas01, BH01, CM90, CP99, Fan89, HF95, LM92, LM99, LO95, Mer94, MC89, MC91, MC93, MC95, NL99, PEB02, PBE03, Sch93a, Sch93b, SF93b]. **Radix-** [EL90, LA01, LA03, PZ95, Bak75a, Bas01, BH01, CP99, HF95, LO95, MC95, NL99]. **Radix-16** [Erc73, Nan11]. **Radix-2** [PBLM08]. **Radix-4** [EL89c, HSE$^+$24]. **Radix-64** [Bru22]. **Radix-8** [BTDS11]. **Rahman** [IK05]. **rail** [MI97]. **Raleigh** [BCEP94]. **Ramanujan** [BBB89, Che15a, Kar01, LSM15, Mar86, Mim88]. **RAND** [War08]. **random** [BCJV18, Bre74, Ruy89, Sho86]. **Range** [BHK09, BDK$^+$05, Gau16, HKA93, JSH$^+$11, Joh15a, SOL81, DMMM95, GF88, Her61c, Joh14a, KPPS08, Mas83, MV98, VC06a, VCV01]. **range-independent** [VCV01]. **Range-Reduction** [BDK$^+$05]. **Ranges** [Bin68]. **Raphson** [CHGM99, KMB94, MM91b, Mou67, WMC21, WS05b, Ypm95]. **Rapid** [Esc37, JJ65, MZM94, NSU20, BBP97]. **Rapidly** [FGG82, Jam89, Kat78, McC81]. **Rapidly-convergent** [FGG82]. **rapport** [Del81]. **Rate** [Chl11, AL20, DF78, FS92, GK89b, Wan82]. **rates** [BD85, SS98]. **Rathbone** [Sha76]. **Ratio** [BB74, DJ67, Hin77, OM68, PSB76, AS05, BS78, Gom89, Lud63, McC83, Mer05, PH67]. **Rational** [AL20, BSW95, BM04, Bla74, BEJ76, BEJ78, BPD81, BCE$^+$08, BGVHN99, CG55, CDR71, CT67b, CT68, Cod69, Eck76, EW76, FL67, Fie65, Frö61, Frö63a, GB68, GP64, GSS12, KZ90, Let96, Nin70, Ric65, ST07, Sha76, Squ70, VB04, WC90, WBR82, Wyn60, AQ18, Ali11, BZ92, Bra84, CL61, CMV69, Cuy94, Dan77, DAV12a, DAV12b, Eck77, Ell83, Fik67a, FH62, Fuk15d, Fuk15b, IP81, Jam99, Kra85a, Kra85b, Lan80, Let97, Lit93, Lit94, Luk56a, Luk56b, Luk76, Mag94, Mar86, MM95, Mot55b, RW72, Saa91, SK08, Sie76, VT11, CT67a].

Rationale [Dri89, Dri91c, Squ91d]. **rationals** [DSK83, DSK84]. **Ratios** [Amo73, AVV90, Che72, DM86, DM87, DM88a, DM92, GST12a, XD18, Amo74, Che15b, Del81, Gau64c, Gau64d, Gau77a, GS78]. **Raton** [Lip21]. **ratsional'nykh** [Saa91]. **ray** [Phi79]. **RCWFF** [Bar76a, Bar76b, Bar84c]. **RCWFN** [Bar76a, Bar76b, Bar84c]. **Real** [Ano03, Ano06, Bar76a, Bar76b, Bra87, CP98, CMF77, DLM09, DiD78, EH16, FBM04, GKS04, GZ75, Krä87, Mor76, Mor79, Mül90, RL80, Ric68, Soo73b, Soo73d, Sou57, Wan74, Zag19, AM78b, AM84b, BFSG74, Bar81, Bar82b, Bar84a, BFSG84, Bar84b, Bar84c, BY07, Bat19, BF92, Bro89a, Cam79, Cam81, Cam84b, Cam84a, Car95, Cob69, CS82, Fab02, GS88, GST06b, GS12, Gon52b, Krä88, KRVZ98, Mul85b, NP18a, Pan59a, Pan59b, PS78, Ric88, SG99, T.57, TB87, Tho04, Tur72, ZA24, GST06a, HJ67b]. **real-imaginary** [BF92]. **Realistic** [Fra78]. **Reasoning** [BCD+02, CDJ+01]. **Rechenverfahren** [Hen77]. **Rechnerarithmetik** [von80]. **Recipes** [PTVF07]. **Reciprocal** [ALMN05, Bor21b, BTDS11, EIM+99, EIM+00, Int03b, IM99a, IM99b, LA01, LA03, PB02, Tak01, WS06, Bor21c, BJM22, CLZ04, FW84, GEK04, JL94, Sei99, Wri84]. **Reciprocals** [BTDS11, SW99a, CO86, Sin96]. **Reciprocation** [ELMT00]. **Recoding** [ZCL15]. **recognition** [MS82]. **record** [Rah01, Sin95]. **recourse** [BW89]. **Rectangular** [WG94b]. **Recurrence** [Act74, ALMN05, Fat16, Gau67, GT59, HSE+24, LA01, LB90, Lew85, Lew87, Mec68, OS72, Olv88, Pré10, Sch77a, EL94, EM03, Fre05, HS20, HT73, Lev91a, LE93, VC06b]. **Recurrences** [Tha79]. **Recursion** [GM04, LDP93, OSS09, Wim68, Wil71]. **recursions** [GST07b]. **Recursive** [Chl11, Ekl01, Fuk13b, Gau61, Gau63, GK70a, Gau99, SG76, XD18, GF88, SS10, SS23]. **Recursively** [Woj61]. **Redheffer** [ZS08]. **Redheffer-type** [ZS08]. **Reduced** [CM13b, CS83, MKS83]. **Reducibility** [JMMW79]. **Reducing** [MC93, MC95]. **Reduction** [BDL09, BDK+05, Car70a, CF00, JSH+11, MM95, NC66, Shi93, Smi95, SLZ05, BK16, DMMM95, Gra02, HTHR94, VB81, vRdL88, BK16]. **redundancy** [HF95]. **redundant** [LKKH99, LP83, MC93, MC95, Sei99, ZXBZH01]. **reelle** [Bra87, Krä87, Mül90]. **réels** [Mul85b]. **Reference** [Car74, HH18, Mor75, WWG82]. **refinement** [KI16]. **Reflections** [Cra12b]. **Regency** [IEE89c]. **regimes** [YM03]. **Region** [IEE85, Fet74, MO18]. **Regional** [Men06]. **regions** [ND19]. **Regular** [AS95, CP70, Ike75, Ike76, Sha76, Bar81, Bar82c, Nes84, SSG+18, Gau66b, Gau69b, Köl69a]. **Reihen** [Bau89]. **Related** [Abr64b, CR68, Dav64, Fle68, GC64, Har66, Hit57, KK20, Lip21, MR71, Meg89b, Pri66, Sch16, Smi11, Sou64, SJ01, SZ70, SZ76, BP01, Che11, CP15, Che16e, CL16, DGS18, FW80, Fra81, Fre09, LM08, LSM14, LM15b, LSM16, Mac72, Mit49, Ped03, Qi14, Sch78c, Smi01, Uni49]. **Relating** [BC62, Boe61]. **Relation** [DGA18, PGA18, FKY86, HT73]. **Relations** [Gau67, GM04, HP62, Lar69, LB90, Olv88, Act74, Cri82, Fre05, Gra02, Lev91a, Lew85, Lew87, Wil71, Ye17]. **Relationship** [Hin77]. **relative** [GLM15, JM17]. **Relatively** [Zag17]. **Reliable** [CVW06, Mac89].

Remainder [CH98, CHI+03, Int00, Int03a, LKK19, Qi14, VCV01, Wil12]. **remainders** [MC93, MC95]. **Remark** [Amo90, Amo95, And00, BB74, CP70, Col78, Fri72, Gau69b, GK70b, Goa97, Gra63b, HH18, Hil81a, Hil81b, HP85, Hol70, Jan77, Jef62, Kod07, Köl69c, Kop74, Mac68, Mor76, PH67, PSB76, Pit67, Pom76, RS81, Red70, Sch78b, Sko75b, Sko75a, Sko78, Sny96, Vos73, Zag16, Zag19, eL76, eL79, Bau89, Ber68, Köl69a, MC95, Sny21]. **Remarks** [Fri72, Håv81, HJ67b, Köl72d, ÖE16, Pól49, Hit75, Luk75a, Rut51]. **Remedy** [Zag19]. **Remez** [Ree90]. **Rep** [Fet81a]. **Repeated** [Gau61, Gau77b, Gau16]. **Replacing** [MM83]. **Representation** [DGA18, GRS87, Kaz65, Mul85b, PGA18, VK95, Mul85b, CS11, FF54, FF57, Kar01, Mar95, Var95]. **Representations** [ADN03, LW89, Mat04, NS09, Bus74, Die80, Dut86, Ism77, KRT02, LKF10, LN22, Qi14, Vil88, WS84, Wen07]. **representing** [Hai60]. **requirements** [Wil96]. **Res** [ACG+87, Fet81a]. **Research** [Ask75, IEE89b, IEE99]. **residual** [Kaz65]. **Residue** [OTY91]. **resource** [BCR+07]. **Respect** [Lau73, AG08, Bus74]. **respectively** [Kra95]. **Response** [Sho02]. **Restoring** [MCT18, OLHA95, LC96, LC97b]. **restricted** [vdD88]. **restrictions** [Spi85]. **Result** [Krä93, AK93, Che16b, MC93, MC95]. **Résultats** [DGB80]. **resulting** [Che15b]. **Results** [Lef05, SF16, Sri70, DGB80, DHM89, Ein89, Elb01, Fdi97, GAZK03, JJW86, LS88, LM93, LN22, Per85a, SW88, VB81]. **Reversion** [FO99]. **Review** [Ars62, Köl87, Köl90, Lip21, Wig67]. **Revised** [Dun94b, Loz97b]. **Revision** [MHSK16]. **Revisited** [CG02, Eis63, SZ05, BF92, Par16]. **RFSFNS** [VRS+95, VRS+99]. **Ricatti** [Bra70]. **Richard** [Bir54]. **Richardson** [Fil66, Fil66]. **Richardson-Algorithmus** [Fil66]. **Riemann** [BM15, BH18, Bor95b, Bor95a, BBC98, BBC00, BCR+07, CHT71, HP62, HG64, Kol70, Lee97, Leh70, Leh56, Mar65, Rza12, Sko05, TKK17, Tur53]. **Riesz** [TV09]. **Right** [SL97, Bry02, GJL20]. **rigid** [CZ10]. **Rigorous** [Joh14b, Joh15b, JM18, Rum01, Yoh70, WO15]. **Rigorously** [Joh19, Joh16]. **RISC** [Mar90, GZC22]. **RISC-V** [GZC22]. **Risch** [Laz85, Mos69]. **RMM** [Sho02, Sho05]. **RMM-Based** [Sho05]. **RNC** [Ano06]. **RNC5** [Ano03]. **RNC'6** [FBM04]. **Robust** [Mac89, DR04, VT11]. **ROM** [Spr00, GP84]. **Romanian** [Hai60]. **Romberg** [EM86]. **Root** [ARH14, AH10, Ale77, AMT78, ALMN05, AMS76, BV85, BO93, Bee91, BMZ02, BR73, Bor21b, Bru22, BH07, Cat86, Cod64, CH98, CHI+03, CL94b, Cow64, D+89, EIM+99, EIM+00, ELMT00, EM04a, EM07, Esc37, Fik66, FR98, Fri67, Ful99, Gar75, Gar80, GBKK09, HAK91, HSE+24, Hei96, Hol69, HMO19, HA85, Int00, Int03a, Int03b, IM99a, IM99b, ITY95, Joh87a, Kah99, KM97, Kin65, KP69, Kog59, Kor05, KNS95, Lan42, LM95, LA01, LF92, LE95, LD89, Mar04a, MIT+95, MRH19, MKY92, MM91b, MCT18, Nan11, Ngu98, Nin70, OLHA95, OE82, Par06, PB02, PBLM08, PB08, PZ95, RJM+20, Rix82, RHMLL08, Rol87, Rot70a, Rus98, Rus13, SH72, SK71, SG02a, SF96, SL95, SL97, Swa65, Tak01, Tha61, Wad58, WMC21, Wal80]. **Root** [WS05b, Wil70, WS06, XLW+20, Yon70, Zim99, ZG87, AHM+98, AGS99, Ano12, ALB98, Bas01, BMZ06, Bic81, Bor21c, Bra84, BMST97, BH01, Bur82,

CF00, Cat85, Che71, CH89a, CH89b, CL94a, CL95, CL00, CHGM99, DD76, DSK83, DSK84, EH16, EL89b, EL89a, EL89c, EL90, EL94, EM03, EM04b, Fan89, GREL96, Har03, Has00a, Has00b, Hay99, Hig93, Hit74, HF95, Hon71, HT73, HFS99, ITY97, JL94, Joh11, Joh87b, KM93, KMB94, KP98, KI04, LM92, LM99, LA03, LKH93, LKKH99, LO95, LC96, LC97a, LC97b, LE93, LMT+92, Lyo91, MST89, MI97, Mat90b, MMW91, MM91a, MM92, MMH93, Mit92, MC89, MC91, MC93, MC95, MWH+16, MWH+18, NL99, Obe99, OJ04, Ped80, PS86, PR04, Pro83, Rus99, Rut63, Saw02, Sch73, SF93a, SF93b]. **root** [Sch95, Ste89, Ste08, SL63, Str59, Tak00, Tay81, TVG00, TE06, Tom00, Tuk48, VCV01, WMC18, WN03, WMDM92, ZXBZH01, ZLC04, Zim00, ZA14]. **root-extraction** [Hay99]. **rootfinders** [Boy14]. **rootfinding** [HP93]. **Rooting** [Alt79, Erc78, Gar79, Has90, Maj85, Met65, RGK72, CCC96, CCCP99, CM90, CP99, ITY96, KB89, KK98, Liu95, MM90b, Par99, WG92]. **Roots** [ADN03, Ahr96, BB12, BFHT85, BJK+11, BTDS11, Cam86, Car74, Che72, CG85b, Cre98, Ded26, Die83, Eve63, Fet76, Gar80, GLR07, HCK09, JJ65, JKMR11, Joh89, Kal34, Kun81, Lir71, MK71, Maj72, MM83, Mül04, Mur88, Pat18, PS77, PS78, Sar59, Sch84, Sch85, SW99a, SW99b, Tho93, Tor02, Tra60, Wej83, Yoh70, Yoh73, Abe16, BH99, BJM22, Bur82, CL11, CO86, Cre91, CLZ04, Dut86, Egb77, Fre81, GS12, HHR00, HR05, HR07, Jam89, Jam99, JM17, KK96, KCYL06, Leh56, Mur99, NS13, Özb06, Pen81, Per85a, PC93, PS79, PNV01, QW06, RS98, Sar60, Sin96, SD85, Tur94, VRS+95, VRS+99, Yey92, Zen04]. **Rotation** [ZCL15]. **rotations** [Bor21c]. **Rough** [Gor82]. **Rounded** [Bor21b, God20, GLT+15, HA85, Kah96, LA01, SS94, Ziv91, Ano14, BJM22, BMR04, CLZ04, LMT98, LM00, LN22, SS93b, dDLM04]. **Rounding** [BJK+11, BTDS11, IM99b, LM95, LL09, LM03, Lef05, PB08, RN96, Sch95, TBDS11, ALB98, EL89b, FHL+07, LM99, LN22, Ost37, PEB02, PBE03, SS93a]. **Routine** [Ale77, Kin65, Swa65, Tur69, Cat85, Fre81]. **Routines** [Cod93b, Fik67b, Ful77, Sch76b, CZ10, GST02b, GST02c]. **Royal** [MC87, MC90, Mil75a]. **Rule** [CG02, Ric73, Dor62, Ost54]. **Rules** [GST03b, BDGP13, GST02a, Hay99]. **Runge** [Cas83]. **runs** [Bre18]. **Russian** [Köl90, Bar72, BSY82, BL71, Dan77, DK77, DF78, DZKK77, Fog51, Kai89, Kaz65, Kon76, Kra85a, Kra85b, Lin57, LP83, Mak65, Mak80, Peĭ63, PT80, PS93, KR86, Saa91, Sal76b, Tes69, Tre80, Tur72, ZSA86]. **Rutishauser** [AN68].

S [Fra81, Köl90, WOG95]. **S-3800** [WOG95]. **S13** [Gau73]. **S14** [PSB76, Pom76, eL79, Dor68, Gau79a, HD73, Hil73a, Hil77, Kuk72a, Kuk72b, LT71, Sch78b, TS69]. **S15** [eL76, Ber68, Gau69a, HJ67b, Mac65, OW68]. **S16** [Cob69, Gau65a]. **S17** [Sko75a, Bur74, Gau64a, Gau65b]. **S18** [ADW77a, Amo78]. **S20** [LG64]. **S21** [Sko78, CN81, Eck80, Far69]. **S22** [Cle69, CP70, Gau69b, GZ75, Köl68, Köl69a, Köl69b, Köl69c, Mor76]. **Śaṅkara** [Hay99]. **Saddle** [FCC73b]. **safe** [Bai21]. **Sage** [ES10]. **SAIN** [Kee82]. **Salzer** [Ano84]. **Samos** [VDR05]. **Samples** [Pom74, Pom76].

Sampling [Ryb89]. **San** [Koo91, SE11]. **Sanskrit** [Plo96]. **Santa** [ES89, IEE78, MSH+16]. **Santander** [GST14b]. **satisfactory** [GST07b]. **satisfying** [EM94]. **saturation** [Hei88]. **Scalable** [OJ04]. **Scalar** [ACG+86, FFS83, ACG+87]. **scaled** [Zag24a]. **scaling** [ALB98]. **SCAN** [Ull90]. **Scattering** [Len76, MS68, Car82, Kre89]. **SCELBAL** [Arn77]. **Scheme** [Chl11, Kai89]. **Schemes** [Pan59b, CH78, Håv79, Pan59a]. **schisleniya** [LP83]. **School** [HUY07]. **Schranken** [Rot70a]. **Schwarz** [Sti53]. **Schwarzschen** [Sti53]. **Science** [IEE89b, LMS99, MC87, MC90, RW04, Tra76, RM07]. **Sciences** [MS94, Spr00, Bar14, Mat93]. **Scientific** [AK93, Lov53, MT85, PTVF07, Pri66, SKL93, AEF92, MT86]. **scientifique** [AEF92]. **Scientists** [BF71, Bel68, Bel04, Lau95, Lau04, MH08, Sen67, Köl97]. **Scorer** [GST02c]. **search** [Hig93]. **Searching** [SLZ05]. **Secant** [Plo96]. **Second** [Bra70, Car87, CMF77, DH59, AEF92, FL67, Köl97, LW63a, LW63b, LB90, MC90, Mec66, Olv67a, SW99a, Van69, BL96, BL91, DAV12b, Fet81b, Fuk11, Gla74, Her61e, HvdR63, IKK91, Jam81, Koo91, Lar66, LLK14, Mid75, Mor99, Olv67b, PDK96, RDK98, Tak22, Tem76, VC06b, WC90, Wen96, YM03]. **Second-Order** [LB90, Olv67a, Olv67b]. **sections** [Mül99, Rus88]. **Segment** [Lef05]. **select** [CL00]. **Selected** [Cra12b, Pot14, Ban01, TB87]. **Selection** [HSE+24, Kor05, LM95, Rus13, ALB98, PEB02, PBE03]. **selections** [Som82]. **Self** [CC69, GREL96, LKKH99, MIT+95, Ull90, CCCP99, MI97]. **Self-contained** [CC69]. **Self-Timed** [MIT+95, LKKH99, CCCP99, MI97]. **Self-Validating** [Ull90]. **semantic** [PUHM12]. **Semantics** [BWKM91]. **Semi** [LM15a, VM19, Cro92]. **Semi-Automatic** [LM15a, VM19]. **semi-infinite** [Cro92]. **Semicirculant** [HBS00]. **semigroups** [Fei78]. **seminar** [Ask75, Laz85]. **Seminumerical** [Knu98b]. **Sense** [Dar70]. **Seoul** [HY14]. **Separable** [FLMR00]. **Separation** [Str56, SMCH41]. **September** [Ano03, ES89, FvdHJT10, IEE89a, IEE22, SC01, Wah04]. **Sequence** [Alb62, Cod83, Tro84, Wim81, Hom98b, Mus87, Wen89, Wen96]. **Sequences** [Bra65, Ekl01, FFS83, Osa90, Bre78a, Del81, DGB82, GB90, Gon52b, Lev73, LM08, LSY15, Sed90, Yey92]. **Sequential** [Kar84]. **Series** [AGS99, AS54, BM15, BS98, Cah54, Cle55, CRZ00, Fat16, FFS83, Fuk12, Gas81, GS82b, GCP67, Hom96b, Hum64, Kal04, KC76, Luk59, LC61, PL19, Pie84c, Plo01, Pri75, RS81, Sch16, SJ01, Van69, WR71, Wre68, Wre73, Wyn60, AO08, Air37, AJDG02, Ano84, BB15, Bau89, BBD03, BB94, Boe91, BF92, Bor10, BS78, Boy09, Boy14, BCG91, CR08, CGKZ05a, CGKZ05b, CP66, Cra12a, DTLM98, De 91, DT09, Del79, Del84, Dom03, Gus78b, Gus84, Has02, HBF09, Hom94, Hom98b, Hom99, Kat78, Kra95, Lav86, Lew94, LP95, Lóp98, LT13, McC83, McC81, MC04, MS87, Ng68, Ole96, Par09, Pas95, Pas08, PBN93, Pie84b, PBM86a, PBM86b, PBM92, Sal83, Saw02, Sch76a, Sch77a, SLH06, Sid06, SJ12, Vep08, Ver77, Wen89, Wen96, Wen01]. **series** [Wen07, Wen10, WN09, Woź10, ZB97]. **Service** [GS14b, Loz96a, Loz97a]. **Session** [DM08, Ric92]. **Set**

[DPC95, GZC22, Tem94b, DGB82, GP84, Hay99, Meg89a]. **Sets** [AEF92, PW76, EH89, Hig77]. **Setting** [Rah01]. **Seventh** [MS94]. **Several** [DX01, DX14, Lóp98, Che13b, CC17, KS88, Liu93]. **Sexagesimal** [Arc43]. **Shanks** [AGJ86]. **Shared** [MIT+95, Fan89, KP98, LKKH99]. **Sharp** [BD85, CT16, Mor14, QV96, YCZ15, MRS18, SR16]. **sharpened** [Kai89]. **Shift** [CH70b]. **Shifts** [BM04]. **Short** [ADN03, Boe61, Boe62, Bur63, Bur64, Fet67, Fra65a, GB68, Gla66, Har66, HKW60, Hea65, Hum64, JJ65, Lan60, Lon59, Mec68, Moo67, SF59, Tak66, Tho65, Tho66, TM68, Ver67, WC61, Wil68, WKG66, Woo67]. **Should** [PW76]. **Shrivenham** [MC87, MC90]. **shuffle** [SR81]. **shuffle-exchange** [SR81]. **SIAM** [SKL93, IP87]. **side** [JW88]. **Sided** [Sch84]. **Sieve** [Ngu98]. **SIGAda** [ACM87]. **SIGForth** [Koo91]. **sigma** [Töl67a, Töl67a]. **Sigma-Funktionen** [Töl67a]. **sigmoid** [WR96]. **Sign** [Kah87, HHR00, Sid06]. **signal** [JL94, Luk99]. **Signals** [Sin95, LP62]. **signed** [CA00, LKKH99, RN96]. **signed-digit** [CA00]. **Significant** [BL94, DM88a, DiD90, DM92, ZA24]. **SIGSAM** [ACM89]. **Similar** [Tho66, Völ83, Act74]. **Simple** [BS79, HMO19, Jan11a, Jan11b, MC91, VLCSFN+12, Zag17, von84, CB09, Cho14, Cre91, Dom03, KRVZ98, Leh83b, Lew94, NS13, PNV01, Vai89, Wen64]. **Simpler** [Lin90, Sha85]. **simplex** [Blo88]. **Simplification** [Bro89a, BBD03, BD02]. **Simplified** [TM68, Wal80]. **simply** [SE14]. **Simulation** [MMH89, Toc63, Gly89]. **Simultaneous** [Gar79, BL96, Bel90, KI04, Sun88]. **Sinc** [GS91]. **Sine** [BH63, Cun62a, Cun62b, Plo01, SZ76, Tan90d, Bak76, BS11, Har00, JL94, PKS00, Saf10, Paw11]. **sine/cosine** [Bak76, JL94, PKS00]. **Sines** [Pat18]. **Single** [Fra65b, HHv+73, LP16, LP17b, SH72, Hon71, LC97a, MI97, WG95]. **Single-** [HHv+73]. **single-rail** [MI97]. **singular** [BS06, DK82, Mus87, Whi82]. **Singularities** [SL07, Tim87]. **singularly** [JS89]. **sistemakh** [LP83]. **Sivashinsky** [AGH89]. **Six** [AFC10, WOG95, ZS08]. **sixteenth** [Hay99]. **sixteenth-century** [Hay99]. **Sixth** [SKL93]. **size** [Bel89, Par99]. **Sketch** [Lov43, Lov89]. **skew** [Kru99]. **skew-symmetric** [Kru99]. **skipping** [MC91]. **SLEEF** [SP20]. **Slepian** [MC04]. **sloping** [Ehr89]. **Slow** [LB09, Wil70]. **Slow-Fading** [LB09]. **Slowly** [UE05, Lew94, WN09, Woź10]. **Small** [Der77, ELMT00, Pom74, Pom76, BZ92, GST15a, Pie84d, Shi93]. **Smirnov** [Pom76, Pom74]. **Smooth** [Pol88, KS88, Pro88]. **smoothing** [BD85]. **Smoothness** [GK89a]. **SMT** [KI16]. **SMT-based** [KI16]. **Sobolev** [Zie89]. **Society** [Ban01]. **Software** [And82, Bee17, BCD+20, Boi97, Cod71, CW80, Cow77, CBBV10, ES10, GS14b, Gre16, HY14, Joh87b, Joh12, Kah80, Loz94, Loz96a, Loz96b, Loz97a, Mar04a, Mil04, Rap14, Ric71, Sch77b, Tan90d, WNO94, dDM06, Cod82, Ein79, FvdHJT10, GST14b, ISO10, KRVZ98, LKK19, Mac94b, Mac96, Smi01]. **solids** [Har77]. **Solution** [Die83, Hom96a, LB90, Mil57, Pre55, Rob55, DK77, Lev91a, Luk56a, Luk56b, Olv67b, Rut51, Spi85]. **Solutions**

[Cle69, Fri72, Olv67a, GST04b, GST07b, RdL01]. **Solver** [Flo15]. **solves** [SD85]. **Solving** [Boy14, Fuk83, Gon89, Hor19]. **Somastuvan** [Hay99]. **Some** [AB88, Alz93, Bak75b, Bel58, BM80, Bre82b, Car70a, Che11, CB12, DHM89, Elb01, Erc72, ELMT00, Fdi97, FB91, Fil66, GB68, Gla66, Gla74, HP62, Her82, Hit75, HKA93, Ker83, Kin21, Lav86, LM07, Lu14, LSM15, LM15b, Luk75a, McN73, Mon83, Osa90, Pas03, PC93, QM15, QVV98, RGK72, Ric68, Ruy89, ST74, Sle65, SW88, Tan90d, Tur53, Wim62, XC14, Alz97b, Alz97c, Arm82, Bak73, Bak75a, Bre78a, CC17, De 91, DF78, FW80, Fra81, FW85, Gau11, GM84, GK89b, HP93, Hei88, Hol90, Kui52, Kza92, LW14, MT72, MY91, Mit49, MC91, Now06, OSS09, Pal98, PS86, QGG10, Rza12, Sed90, SL83, Sim64, Ter81a, Tre80, Wen01, Wim72, WN09, Woź10, VB81]. **Sommerfeld** [Fuk14a]. **Soni** [Coh12, Wig67, Szm13]. **Sound** [HJ96]. **source** [BBB97, BBB00, BBB04, Joh12]. **sources** [Wil96]. **South** [HY14]. **Southard** [T.57]. **Southeast** [Men06]. **Space** [CGKZ05a, CGKZ05b, LP62, Mus87]. **Space-efficient** [CGKZ05a, CGKZ05b]. **spaced** [FK88]. **spaces** [AB88, Som82, Yos97, Zie89]. **Spanish** [MCM90]. **SPECFUN** [Cod93b]. **Special** [AGL93, AK09, And98, AAR99, AKS01, Bal00, Ban01, Bat07, BW10, Bel68, Bel04, BS11, Bre80a, BIS01, Car70b, Car77b, Cer07, CMW63, Cod75, Cod93b, CVW06, CPV$^+$08, CBBV10, Deu76, DM08, El 06, Fei78, Ful77, Gau75, GST03b, GLR07, Hoc61, IK05, IA20, Joh14b, Joh20b, Köl87, Koo91, KS20, Kor11, LM15a, Leb65, Leb72, Loz94, Loz96a, Loz96b, Loz97a, Loz00, Luk69a, Luk69b, MH08, Mil65, Mos72, NU88, Olv74, Rai60, Ric92, SF16, Sch76b, Sch77b, SC01, SL07, Sne56, Sne61, Sne63, Sne80, SZ70, SZ74, SZ76, Szm13, Tal68, Tem96a, Vil88, WG89, Wig67, WWG82, ZJ96, AO08, Ano93, Ano98, Ars81, Ars68, AN68, Ask75, BC09, BBC$^+$14, Ber01, Bre10, Buc69, Bus74, Car82, CKT07, CDS00, Coh12, DKK80, DIW00, GI01]. **special** [Gau63, GG08, GST02a, GST07a, GST14b, HBF09, Hig77, ISO10, KV03, Koe16, LO94a, LO94b, Mac96, MO49, MOS66, Mar88, Mat93, MS03, Mil68, Mos69, PNV01, PBM92, RDK98, Sau93, Sen67, Sid06, Tem83b, Tem07, Töl66, Töl67a, Tri66, Ubh89, VK95, WS84, Wen01, Wen07, Wim82, vdLT84, Ban01, Die80, DM08, Her82, PBM86b]. **Special-Function** [Kor11]. **speciali** [AN68]. **Specialness** [Bat07]. **Specific** [GBKK09, HCK09, IEE08, T$^+$97, VDR05]. **Specification** [MHSK16]. **spectral** [Boy89, Boy01, Koe16]. **Speculation** [CL94b]. **Speed** [CG85b, JSH$^+$11, Maj85, PB02, POMB05, RGK72, SW99b, SC71, SA57, ZG87, BHJ05, CCCP99, Fan89, LMT$^+$92, Mar00, Sei99]. **spezielle** [Töl66, Töl67a, Sne63]. **Spherical** [AM78b, AM84b, Bra73, Col78, CU59, GF97, Har00, Hob31, Hob55, Jab94, MS67, O'B80, PS05, BDGP14, Cai11, Del79, Del84, GF88, Len90, Max91, PS77, PS79, Tal83, Tal84, Tal09, Wil71, de 77, Her61a]. **Spheroidal** [Fla57, LKL02, Low64, Osi13, Sle64, Sle65, Sle78, Str56, V$^+$75, XD18, LP61, LP62, MC04, OWS$^+$14, RX07, SP61, SS65, SMCH41]. **SPIE** [Luk99]. **SpiNNaker** [MLS$^+$18]. **SpiNNaker-2** [MLS$^+$18]. **Spline** [Lin79a]. **splines** [DR89, Sab08]. **split** [WG92]. **Splitting** [PLT23, Kre89]. **sponsored** [Ask75]. **Spring** [AFI71]. **Springer** [Fet81b, Köl97]. **sqrt** [Rah01, Kah96]. **Square**

[ARH14, ADN03, Ahr96, Ale77, Alt79, AMT78, ALMN05, AMS76, BB12, BV85, BO93, Bee91, BMZ02, BR73, Bor21b, BFHT85, BJK+11, Bru22, BH07, BTDS11, Cam86, Car74, Cat86, Che72, Cod64, CG85b, CH98, CHI+03, CL94b, Cow64, Cre91, Cre98, D+89, Die83, Egb77, ES99, EH16, Erc78, EIM+99, EIM+00, ELMT00, EM04a, EM07, Esc37, Eve63, Fik66, FR98, Fri67, Gar75, Gar79, Gar80, GBKK09, HAK91, HCK09, HSE+24, Has90, Hei96, Hol69, HMO19, HA85, Int00, Int03a, Int03b, IM99a, IM99b, ITY95, ITY96, JL94, JJ65, JKMR11, Joh87a, Joh89, Kah99, Kal34, KM97, Kin65, KP69, KK98, Kor05, KNS95, LM95, LA01, LA03, LF92, Liu95, LE95, LD89, Maj85, MK71, Maj72, Mar04a, MIT+95, MRH19, Met65, MKY92, MM83, MM91b, Mül04]. **Square** [MCT18, Nan11, NF63, Ngu98, Nin70, OLHA95, OE82, Par06, Pat18, PB02, PB08, PZ95, RGK72, RJM+20, Rix82, Rob69, RHMLL08, Rol87, Rot70a, Rus98, Rus13, SH72, Sar59, SK71, SG02a, Sch84, Sch85, SW99a, SW99b, SF96, SL95, SL97, Swa65, Tak01, Tha61, Tho93, Tor02, Tra60, Tur94, Wad58, WMC21, Wal80, WS05b, Wej83, Wil70, WS06, XLW+20, Yoh70, Yoh73, Yon70, ZA14, Zim99, ZG87, AHM+98, AGS99, Ano12, BH99, Bas01, BMZ06, Bic81, Bor21c, BJM22, Bra84, BMST97, BH01, Bur82, CCC96, CCCP99, CF00, Cat85, Che71, CL94a, CL95, CL00, CM90, CO86, CHGM99, CP99, CLZ04, DD76, DSK83, DSK84, Dut86, EL89b, EL89a, EL89c, EL90, EL94, EM03, EM04b, Fan89, Fre81, GST15b, GREL96, Har03]. **square** [HHR00, Has00a, Has00b, HR05, HR07, Hig93, Hit74, HF95, Hon71, HT73, HFS99, ITY97, Jam89, Jam99, JM17, Joh87b, KB89, KK96, KM93, KMB94, KCYL06, KP98, LM92, LM99, LKH93, LKKH99, LO95, LC96, LC97a, LC97b, LE93, LMT+92, Lyo91, MST89, MI97, Mat90b, MMW91, MM91a, MM92, MMH93, Mit92, MC89, MM90b, MC91, MC93, MC95, MWH+16, MWH+18, Mur99, NL99, Obe99, OJ04, Özb06, Par99, Ped80, Pen81, Per85a, PS86, PR04, Pro83, QW06, RS98, Rus99, Rut63, Sar60, Saw02, Sch73, SF93a, SF93b, Sch95, Sin96, SD85, SLD16, Ste89, Ste08, SL63, Str59, Tak00, Tay81, TVG00, TE06, Tom00, Tuk48, VCV01, WMC18, WN03, WG92, WMDM92, Yey92, ZXBZH01, ZLC04, Zim00, Kun81]. **Square-Root** [ALMN05, CL94b, Gar80, LA01, RJM+20, Wad58, Yon70, JL94, LA03, ALB98, GREL96, Has00a, Has00b, HF95, HFS99, KP98, LKKH99, Mit92, PR04, TVG00, Tuk48, ZLC04]. **Square-Rooting** [Gar79, Maj85, RGK72, KK98, Liu95, Par99, WG92]. **square-roots** [BH99]. **Squared** [HP67, HP85, eL76, OW68]. **Squarers** [WS05a]. **Squares** [DB13, Maj72, Sto41, Rei86, SL63]. **Squaring** [Kar84, Sar60]. **squeeze** [Mar77]. **SRT** [MC95, BH01, HF95, Kor05, MMH93, MC93, Rus13]. **Stability** [Gar79, Mil75b, Gus84, Spi85, YH89]. **Stable** [Gus85, KR79, Oli75, Fet74, VC06b]. **stacks** [Dem89]. **stage** [Töl43]. **Stages** [PZ95]. **Staggered** [BHK09]. **Standard** [BBM84, Dri89, GB91, Lóp00, Mor75, Nor89, Rum01, Sal92, Sha85, SP20, YBR11, Zwi03, AHM+98, Cho14, DAV12a, DAV12b, Dri91d, Dri91a, Dri91b, Dri91c, Düm10, Hou81, Krä88, McC90, Neh07, Squ91a, Squ91d, Squ91b, Tem85, WR96, Kah80]. **Standardfunktionen** [Bra87, Krä87, Mül90, Rot70b, von80, von84].

Standardization [CHG+11, DHL+04, Kul07, Squ91c]. **Standards** [Lid01, Lid02, Mul82, Low49]. **Start** [Mar05]. **Starting** [Eve63, Fik66, MM91b, Nin70, SF96, Wil70, Mou67, SF93a, Tem96b]. **State** [IP87, MRH19, Dem89, Roc82]. **State-of-the-Art** [MRH19]. **static** [MI97]. **Stations** [WNO94]. **Statistic** [Kra89, Pom74, Pom76]. **Statistical** [Hil73b, Mac89, TGC89, Mat93, Sti88]. **statistics** [Goe14, Gom89, Mar88]. **STATLIB** [TGC89]. **status** [Ste08]. **Steed** [Bar82b, Bar84a]. **Step** [Bor21b, Spi85]. **steps** [MC91]. **Stepsize** [Ske86a, Ske86b, Spi85]. **Stieltjes** [BB82, BHJ05, BS78, Cha80, KC11]. **Stirling** [Sch16, Spi71, XC14]. **STO** [LDP93]. **Stochastic** [PL19, Sob88, BW89, Ebe89, Gly89]. **Stokes** [HBS00]. **Stoner** [Fuk14b]. **Störungsreihe** [Hom96b]. **straight** [Rah01]. **Strange** [GS82b, Wen09]. **Strategies** [BBC98, BBC00]. **strategy** [WO15]. **stratified** [Kre89]. **strength** [Ost37]. **stress** [SC81]. **strictly** [Whi82]. **Strong** [Ebe89]. **Strongly** [Sal92]. **Structural** [Lew91]. **Structure** [CET62, Jef17, BB16, EC79, Har77, WO15]. **structures** [FS96]. **Struve** [AJ03, Abr64b, BDGP14, New84, Olv67a]. **Student** [Hil81a, Hil81b, eL79, Hil70a, Hil70b, Hil73a]. **Studies** [Bir54, Har77]. **Studium** [Bar14]. **Study** [OLHA95, Sun71, AB93, Bar14, Bre78c, EH16, GK70a, Gau11, Per85a, SK08]. **Subject** [Ano68]. **Sublinear** [BW89]. **submultiplicative** [AR99]. **Subprograms** [Kuk71]. **subquadratic** [Har14]. **Subroutine** [Amo83, Bre82a, FHS77, Kod08, Col80, Col84, Tal83, Tal84, Tal09]. **Subroutines** [ADW77a, ADW77b, Amo78, Cod75, DM87, GN89, Mor75, Mor81, Mor90, Mor93, TGC89, WWG82, Alh00a, EC13, Joh88, Sca71, Die83]. **subsequences** [BDGB83]. **subsets** [Ubh89]. **Subspace** [Ovt03]. **Subsystem** [IBM05]. **subtraction** [TW80]. **Subtractive** [SL95, Ste89, LO95]. **such** [BO75]. **Suggestion** [Bak76]. **suitable** [MT72]. **Suite** [Liu87, Tan90c, Tan91a]. **suites** [Del81]. **sum** [BDGP13, Bus74, SL63, Vel11]. **summability** [Mül93]. **Summation** [Cle55, Deu76, Gas81, Sid06, Ver67, Wen10, Hom99, KK98, Lew94, Liu95, Ng68, Ver77, Wen89, Wen01, WN09, Woź10]. **Summations** [Gla81]. **Summer** [HUY07]. **summing** [Wen96]. **Sums** [Dub83, Lir71, MM83, Sch16, UE05, BB16, BG84, Büh03, CG89, Fre05, Har77, Kra95, QW06, Sti53, ZLA13]. **super** [Mag94]. **Supercomputer** [WOG95]. **Supercomputing** [Ano91, IEE91]. **Superscalar** [ECSD20]. **Supplement** [Arn77, Ske86b]. **support** [ISO10]. **Supremum** [CJL09]. **sure** [Wil96]. **Surface** [DR94a, DR94b]. **surfaces** [Lit83]. **Survey** [BTT16, Bre78b, Fra65b, Gau75, MM90b, Ars81, Lew44]. **Sussex** [IEE89a]. **Switzerland** [Lak96, T+97]. **swMATH** [GS14b]. **Symbolic** [ACM89, BDGP13, Bro07, Car99, GI01, Joh20b, Lak96, SE11, Sko04, Zha96b, Ye17]. **Symbols** [JF16, Gun65b, Gun65c, MS82, Wei98]. **Symmetric** [CG94, JGB13, Lóp00, Ovt03, SS97b, SS97a, SS99a, SS99b, ZC70, Fuk12, Kru99]. **Symmetrical** [Sau92]. **Symmetries** [Car70b]. **Symposium** [ACM89, AGL93, Ano91, Atk79, Bow53a, Bro07, BCDH09, BC01, BBdD17,

CLT20, ES89, Gau94, Hwa85, IEE78, IEE81a, IEE81b, IEE89b, IEE05, IEE13, IEE21, IEE22, KM95, KK99, KM91, KM07, Lak96, LMT97, Lan59, MT85, MSH+16, MTV15, SE11, SO11, SC01, SIJ93, TBL19, TT18, Tra76, MT86]. **synthesis** [BT99, EH16]. **Synthesisable** [BH07]. **Synthesized** [AAHTH10]. **System** [ACG+87, Kor11, Kuk71, MS94, OTY91, Rot70b, Spr00, Fab02, Her82, ISO10, Ise94, Kaz65, KR86, ACG+86, Fik66, Mar90]. **system-theoretic** [Her82]. **System/360** [Fik66]. **System/370** [ACG+87, ACG+86]. **System/6000** [Mar90]. **Systems** [Bra65, Fri72, IEE08, Mey01, NKY08, Sin95, T+97, VDR05, Dem89, Gly89, LP83, Roc82, Bra87, SM70]. **systolic** [EM86]. **Szasz** [Sun88]. **Szego** [Rus88].

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