

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]. $\text{Ai}(x)$ [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]. $e^z E_1(z)$ [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]. $I_n(b) = 2\pi^{-1} \int_0^\infty \left(\frac{\sin x}{x}\right)^n \cos(bx) dx$ [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]. $\int_x^\infty e^{-t^2/2} t^p dt, x > 0, p$ [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]. $\int e^{b(x+a \cos x)} dx$ [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]. $J_\nu(x)$ [LW96]. $\text{Je}_0(a, z)$ [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]. $K_{i_n}(x)$ [BEJ78]. $K_{i_s}(x)$ [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]. $m^2 + y^2 n^2$ [AB93]. $M_{k,1/2}$ [Lau73]. $\text{GF}(2^m)$ [RHMLL08]. μ [Kun81]. N [CH89a, Kog59, BH99, CH89b, Hig93, CL00, Gau59, GLT⁺15, Har14, Lev91b, Rei69]. ν [CH70a, CK79]. $O(N^2/\log^{3/2}N)$ [SR81]. $O(n^3L)$ [Gon89]. $\arctan Z$ [Luk57]. bei [Tha62a]. ber [Tha62a]. $\cos x$ [Bar72, Bar72]. $\text{Ei}(x)$ [Ng70, Pac70, Red70, TM68]. $\text{inverfc}\theta$ [Phi60]. $\text{mod}p$ [Sch85]. $\text{Shi}(x)$ [TM68]. $\sin x$ [Bar72, Bar72]. p [ADN03, CL11, Tor02, Tur94]. $P_\nu^1(\cos \theta)$ [Wil68]. $p_{1/2+i\tau}^m(x)$ [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]. $x C_\nu'(x) + \gamma C_\nu(x) = 0$ [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, Mü193, Mü199, 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, Mü190]. **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, 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]. **aficionado** [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-Kāshī** [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]. **Algorithms** [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-K7TM** [Obe99]. **Amherst** [TT18]. **Among** [JMMW79, Ye17]. **amplitude** [Sal89]. **AMS** [DM08, Ric92]. **Amsterdam** [GST14b]. **analiz** [PS93]. **Analogue** [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, Pei63, 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**
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Arsenal [Wyn62]. **Art** [IP87, MRH19, PTVF07, Toc63]. **articles** [Ban01].
Artificial [AGL93]. **ASAP** [VDR05]. **ASIC** [WMDM92]. **Asilomar**
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assistant [BMZ06]. **Associated** [Bra73, BL45, Cle69, Fri72, Lew58, Lew81,
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 CV03, Fre05, GQ09, Sai89, SSG⁺18, SS65, SJ12, Wim72, Cob69].
Asymptotic [AS03, Bor10, BS78, CG85a, CG94, CE15, CS11, Cun62a,
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 XHT16, XC17, YC15, ZZ11, AS05, Air37, Ano84, BB94, Che13b, CP15,
 Che15a, Che16e, CL16, Che16a, Che16c, CT16, CC17, DT09, DGS18, EW63,
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 KC11, LFM14, LW14, LSM15, Luk75a, Mac72, MP79, McC83, Mor11, Par02a,
 Par02b, Par03, Par16, Sal83, SLH06, Tem75b, Tem78, Tem79b, Tem83c,
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Asymptotical [WCS16]. **Asymptotically** [Wan82, Hom98b]. **Asymptotics**
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 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**
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Automatic
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 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 [Köl90, 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]. **Betriebssysteme** [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, Kö190, 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, Kö197].

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]. **Chebyshev** [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].

Complex [Ahr96, Amo86, Amo90, Amo95, Ano74, AM77, Bak92a, Bra87, Bur74, CP98, Chr65, Cod91, Cod93a, Cor61, Dor66, EW76, EM04a, EM04b, EM07, FK19, FCC73a, Fet76, FK75, Fri67, Gel51, God01, Her61b, HFT94, Ise91, Kah82, Kah87, Ken14, Ken21, Kod08, Kod11, Kol70, Köl72c, Krä87, Kuk72a, Kuk72b, Lan60, LT71, Mat04, Mec66, Neh07, Ng75, Par72, PS11, PP12, PW90a, PW90b, Rap94, Sal51a, Sal55, oKSAG79, Sht19, SMG94, Soo73a, Soo73c, TTW79, WEX14, Wyn62, Zag19, AQ18, AM79, AM84a, AM84c, BKM94, BCD⁺02, Cai11, Cam81, Cam84a, CL11, Car95, CA00, CM83, CJR91, CJR92a, CJR92b, CDJ⁺01, DGS24, EC13, FLO04, Fet81a, GST02b, GST02c, GS14a, GJL20, Gon52a, Gra61, HHR00, JM17, Joh20a, Joh12, JT85, Jür66, Köl84, Krä88, KRVZ98]. **complex** [KB86, LG79, Mas83, MY91, Moo81, Moo84, MH72, Mor78, Mor99, PS86, Rap01, Sca71, SK08, Squ91a, Squ91d, Str59, TTW84, TR84, Tan90b, Tem94a, TB86, TB87, Tho04, Töl67b, Tur72, Wat90, YM97, ZA24, Zag24b, Zak69, Zha96b, ZB97, dT93, Bea60, BD14, Gau69a, Köl72a, RT61].

Complex-Valued [Mat04, PS11, Wat90]. **Complexities** [NS09].

Complexity [AH10, BB88, Mil75b, RHMLL08, Vav89, Bel89, Bre75b, Bre76b, MST89, Per85a, Tra76]. **Compliance** [Rus98]. **complying** [AHM⁺98]. **Component** [vRdL88]. **compounding** [Leh71].

Comprehensive [AWH13c]. **Comput** [Alz98, Ano84, Tho04, VRS⁺99].

Computation
[ACM89, AS95, ARH14, Aha69, AH10, Alh00b, Amo74, ALB98, BB16, Bal00, Bee91, Bee17, Boe62, BB84, BB97, BB00, BB04, Bre06, BL94, Bro07, CS19, Che70, Che72, CJL09, CMF77, CVV65, Cri89, DM86, DM88a, DiD90, DM92, Dre78, Dub83, DGS24, Ehr61, Ekl01, FLO04, Fil66, Fle68, Frö63b, Fuk14b, Fuk15a, Ful99, GSS12, Gau61, GST03a, GST12a, GST14a, GRAST16, Goa95, God01, HT13, HCK09, HKST99, Har09b, Has66, Hul78, JSH⁺11, JKD92, Joh14b, JM18, Joh21, KT00, KB67, Kog57, Kog58b, Kog58a, Kog59, Köl72d, Lak96, Leh44, Leh96, Let01, LDP93, Loe01, LJ13, Luk57, Luk77, Mac94a, MMV81, Mar90, MR71, Mec68, Mü104, Nad15, NKY08, NPA16, ND70, Pea09, PB02, PEB04, PW90b, Rap94, Rob69, RHMLL08, Rot70a, Rot71].

Computation
[Rus13, Sal76a, Sar59, Sch85, SE11, Spo94, Swe63, Tem79a, Tra60, VVA09, Wen96, Woo92, XD18, ZJ96, AQ18, AGA⁺80, Alh00a, Bai88, BBP97, BB15, BL96, Bat19, BY19, BM80, Cai11, Car95, CZ10, CH89a, CH89b, CA00, CD02, CDS03, CCV11, Cra06, DMMM95, DKK80, DHM89, DK90, EH16, Fil92, FH62, FI94, Fuk09a, Fuk09b, Fuk10, Fuk11, Fuk13a, Fuk13b, Fuk14a, Fuk15d, Fuk15b, Fuk15c, GI01, Gau63, GK70a, GS78, Gau94, Gau11, GST02b, GST02c, GST11b, GST15b, GST17, GS99, HHv⁺73, Hit74, JJW86, Joh15b, JT85, Kat78, Kon76, KB86, Las82, LKK19, LK73, Mar81, MNP83, Mer94, Miy19, Mul85a, Mul86, NP18b, Ng84, Pan59b, POP17, PB82, Pie82, Pie84a, Pie84d, Rap01, Sar60, SS10, SS23, Tem83a, Tem86, Wim74, XL94].

computation
[Zag24a, Zah94, Zha96b, BL91, LČJ63, Low49, Mü190, SR53, von84, Köl90].

Computational [BBC98, BBC00, Gau67, Gau75, Gau79b, Mil75b, Ng75, Sun71, Tem94a, Wim82, BW00, Gau94, Jam89, SW88, Tra76].

Computations [Ahr96, BH18, Erc75, Erc77, Krä93, MT85, Ng77, WG91, WG94b, Bel89, Dan77, Joh83, KO94, Kra98, MT86, Vav89]. **compute** [BBB89, Boy15, EC13, Joh12, Mac96, Per85a, Sca71, SSG⁺18, Win70].

Computed [Woj61, Yoh70, Che09]. **Computer** [AFI69, AFI71, Atk79, BH65, Bin68, BCDH09, BC01, BBdD17, CET62, CLT20, DeL70, Erc75, Erc77, ES89, Fat16, Fik68, HCL⁺68a, HCL⁺68b, Hwa85, IEE78, IEE81a, IEE81b, IEE89b, IEE89c, IEE05, IEE13, IEE21, IEE22, JJ65, KB90, KM95, Kog57, Kog58b, Kog58a, Kog59, KK99, KM91, KM07, LMT97, dL70, Mar88, MSH⁺16, MTV15, PH90, PW76, Pre55, Pri66, SO11, Swa90, SIJ93, TBL19, Tan89b, TT18, Tra76, Ull90, Wah04, WVG51, WVG57, WVG82, von80, AGA⁺80, DSK83, DSK84, Fab02, GP84, Gus78a, Knu62b, Knu63, McC90, Pie84d]. **computer-oriented** [AGA⁺80].

Computers [Ano03, Ano06, CU59, Cus83, FBM04, Has55, Köl90, Sin95, SA57, Ber84, RW77, Tak00, Tri66]. **Computing** [API⁺19, Bow53a, Bur82, Cah54, Car79, DR98, DH59, DJ62b, DJ62a, DM87, DR94b, For97, Fra65b, Gal85, Gal86, GST02a, GST03b, GKS04, GST04b, GST06b, GS12, GST15a, HH18, Har97a, Ike76, IKF91, JKMR11, Joh16, Joh19, Joh20a, Köl72c, Kuz15, LBdDM16, LW63a, LW63b, Lin09, Lin72, LCY65, Mar05, MMM93, MY91, Mul01, Mul20, PL19, PTVF07, Rob55, ST07, SKL93, SLD16, SZ70, SZ74, SZ76, Tak01, TKK17, Van69, Vol59a, Vol59b, YM03, ZA11, Zag16, AK93, AIS⁺17, BDM81, BPT76, BCJV18, Car72, Dom03, Fet74, Gab79, GST12b, GLM15, Har14, HHR00, mH12, JM17, Kan96, Köl84, KCYL06, KRVZ98, Let96, McC81, PKP74, PNV01, Pól49, Pro83, Puo88, Saf10, Sko05, Tho97b, Tho97a, Vep08, XC15, Zen04, VC06a].

Concept [von80, Gon52b]. **Concerning** [Wre68, Arm82, CC17, SW88, Wre73]. **condition** [HS83]. **conditional** [Fuk13a]. **Conditioning** [Ric65]. **conditions** [JW88]. **conduction** [CMV69]. **conductive** [RdL01]. **conductive-convective** [RdL01]. **Conference** [AFI69, AFI71, Ano03, Ano06, Ban01, BCD⁺20, Boi97, BCEP94, FBM04, Gre16, HY14, IEE89a, IEE85, IEE89c, IEE08, IP87, IL07, MMH89, MC87, MC90, Men06, Mil75a, MS94, Mul82, SKL93, Sin95, Spr00, T⁺97, USE88, VDR05, Wah04, ACM87, AGA⁺80, BL91, AEF92, IEE21, IEE22, Mar85, Zah94]. **configuration** [Yos97]. **Confluence** [Nag04]. **Confluent** [AS95, GN89, Luk59, Mil57, NPA16, Olv91, Sla60, Sla64, Tha62b, AS97, AG08, Buc69, BJLP19, CQSP04, DT09, DGS18, Gau02, KW21, Lew44, Mul01, NP18b, POP17, Tem78, Tem81, Tem83a, Uni49, Rel63c]. **Congress** [FvdHJT10, Lav80]. **conical** [GST12b]. **conjecture** [CLZ04, EL01]. **conjugate** [MS87]. **connect** [CK88]. **connected** [Ost54]. **Connection** [GSS12, Car69]. **considerations** [Wen01, Rut63]. **consistent** [Hom98b].

Constant [Chl11, Knu62a, Swe63, AL20, Bau89, BY19, Blo88, BM80, CM13a, Che16a, Che16b, Fuk09b, Lu14, LSY15, Luk56a, Luk56b, MWH⁺16, MWH⁺18, XC17].

constant-time [BY19]. **Constants** [HMO19, Str56, BBP97, CC17, CB87, GS99, KC11, Sti53, SMCH41, Yar67]. **Constrained** [Let97, MT72, SDP11]. **Constraints** [Kuk71]. **constructing** [Kai89]. **Construction** [Ske86a, Ske86b, Dan77, Lit93, Lit94, OWS⁺14, Pas95]. **contained** [CC69]. **Containing** [NF63, Sch64, De 91, Las82, Lóp98, Mak65, Tem86]. **Contents** [Ful81b]. **Context** [FR98]. **contiguous** [Seg08]. **Continuation** [BS98, BS00, Mü193, Sko04]. **Continued** [Bar74, Bar82a, BS83, Che13a, CPV⁺08, Len76, Len90, Mor64, Pas03, She54, SB71, Smi95, Spi61, BC09, BHJ05, BS78, Cha80, Dij77, Gau77a, Hau88, JW88, Kra89, Lee92, Lem88, Lev91a, LSY15, LM15b, LSM16, MM90a, McC74, McC83, Now06, Pas92, RdC93, Sar60, SdCR97, Sha76]. **Continued-Fraction** [Smi95, Bar82a]. **Continuous** [PS93, Ebe89, FH62, GS82a, Hor19, MS87, PS78, Som82]. **Contour** [ST07]. **contoured** [Was89]. **Contribution** [Chr62, Frö63b]. **Contributions** [Ng84, Ull90]. **Control** [Kuk72a, Kuk72b, Bel90, BL91, Bre83, Roc82, Mae60]. **controlled** [Bra64, CC64]. **convective** [RdL01]. **Convergence** [Alb62, Ano67, Bre78a, Bre82b, BDGB83, Bre85, Bre00, Chl11, CRZ00, DGS65, DK82, GB90, Gus66, Gus78b, GS91, HP93, Har77, Hau88, HBS00, Hom96a, Hom96b, Hom98a, Hom99, Ise94, JW88, Kru99, Kza92, Kza99, KP03, Lem88, LP88, LB90, Lev91b, Mat92, MH72, Mü199, Osa90, Osa94, Ovt03, Pas92, Pas03, Pas08, Sed90, Sel93, SF79, UE05, Wyn72, AL20, AGJ86, BD85, Bel90, BHJ05, Bre77, Bre78c, Bre78b, Bre83, Bre88, Bre99, BCG91, Cro92, DGB80, Del81, DF78, Fdi97, FS92, Gau77a, GK89b, Gus78a, Gus84, Gus85, HTHR94, HR05, HR07, Hom94, Hom98b, Ise91, Joh83, KI04, Lev73, Lev91a, LP95, Lon81, Lu14, Mat90a, Mü193, Now06, Ole96, Ost37, Pas10, Pas11, PR04, PKP74, RdL01, Sau93, Sch68]. **convergence** [SL83, SS98, Sid06, Vep08, VPK99, Wen89, Wen01, Bre77, Del81]. **Convergent** [Bar74, BJLP19, God01, Lóp18, Osa90, UE05, Bai88, DGB82, FGG82, FF54, FF57, Hom99, Lew94, McC81, WN09, Woź10]. **Converging** [Din58, ITY95, Air37, Boy09, Jam89, Kat78, Sch95]. **Convex** [Lit83, EH89, Fuk83, Zwi87]. **convexity** [GR92]. **conveyors** [KK98, Liu95]. **convolution** [Mü199]. **Coprocessor** [KZ90, TVG00]. **Coq** [BMZ06, MDM16]. **CORDIC** [Mü190, Ekl01, HTHR94, Hit74, SR14, VVA09, Vol59a, Vol59b, Völ83, ZCL15, MMM93]. **CORDIC-Algorithmen** [Mü190]. **Cornelius** [BCEP94]. **Corner** [Bli97]. **Corners** [Tho93]. **Correct** [LM03, SF16, FHL⁺07]. **Correction** [BHK09, Yun14]. **Corrections** [DD08, Jan11a, WMC21, PC93]. **Correctly** [Bor21b, BJK⁺11, God20, Kah96, LA01, LM00, Ziv91, Ano14, BJM22, BMR04, CLZ04, LMT98, LN22, SS93b, dDLM04]. **correctly-rounded** [BJM22]. **Correctness** [CH98, CHGM99, Rus99]. **Correspondence** [Hon71, vRdL88]. **corresponding** [McC83]. **Corrigenda** [Ano94, Cod66]. **Corrigendum** [Alz98, CT67a, Joh87b, Lew87, Per87, Sny21, Wim72, Fra81]. **Cosine** [BH63, Cun62a, Cun62c, SZ76, Tan90d, Tha61, Bak76, Har00, JL94,

PKS00, Saf10]. **Cosines** [Pat18]. **Cost** [CL00, Dan82, XLW⁺20, FLMR00]. **Cost/performance** [CL00]. **CoStLy** [Neh07]. **Cotes** [Fre09]. **COULFG** [Bar82b, Bar84a]. **COULN** [NT84]. **Coulomb** [Abr64a, BDG⁺72, BDG⁺84, BFSG74, Bar76a, Bar76b, Bar81, Bar82b, Bar82a, Bar82c, Bar84a, BFSG84, Bar84b, Bar84c, BS84, Boe69, CH70b, CP70, DGA18, Frö55, Gau66b, Gau69b, Gun67, Hum85, Ike75, Ike76, Köl69a, Köl69b, Köl69c, Köl72d, LVV05, MKS83, Nes84, NT84, PGA18, Sea84, SG72, TTW79, TTW84, TR84, TB86, Vos73, Wil71]. **count** [MCT18]. **coupling** [Gun65a]. **course** [BW00, Tka03]. **Coverage** [DJ62b, DJ62a, DiD90]. **CP** [LVV05]. **CR** [Ano14]. **CR-Libm** [Ano14]. **Crandall** [BB15]. **Cray** [???90, KB90]. **CRC** [Lip21, Zwi03]. **Create** [ES10]. **Criteria** [Ike76]. **criterion** [Fik67a]. **Critical** [BH18]. **crossover** [PUHM12]. **crunching** [Atk79]. **cryptography** [Per85a]. **cryptoprotocols** [Per85a]. **crystalline** [Har77]. **Cube** [AH10, Ded26, Joh11, Lan42, Mur88, PBLM08, Yoh70, Yoh73, Bur82, Pen81, RS98]. **Cubic** [Car89, Flo15, WdZ04]. **Cubiche** [RS98]. **Cubing** [AH10]. **Cumulative** [Gil16, Ham78, Pag77, Pom74, Pom76, BKKC09, GST15b, MRS18, Rev90, SE14, Wes05, Yun09]. **current** [BIS01, KK98, Liu95]. **curvature** [Ron86]. **Curve** [Che70, HJ67a, HJ67b, Hol70, Nor89, Sha85, Squ70, Ber68, Cho14, McC90]. **Curves** [Sch85, Nis94]. **Cuts** [Kah82, Kah87, Sht19]. **Cutting** [Tho93].

Cylinder
[Dor66, Mil64, WR71, DGS24, GST06a, GST06b, GST11a, GST11b, GS12, GR92, Jon06, Kre89, LR74, MMV81, RL76, SGA81, SG98, SMCH41, Tem00]. **Cylindrical** [Kod08, Kod11, Mas83, KB86].

D [Fet81b, Köl97, Sha76, BJK⁺11, NKY08]. **d'accélération** [Bre78c]. **Dagstuhl** [FBM04]. **Dallas** [Koo91]. **d'après** [Laz85]. **Data** [Joh88, Krä87, LK21, Mae60, MC87, Ran77, BCG91, EMR82a, FK88, Wen01]. **datapath** [CCCP99]. **Date** [Ano22]. **Datenformate** [Krä87]. **Davenport** [Laz85]. **Davidson** [Ovt03]. **Dawson** [AQ18, CPT70, Dij77, Hum64, Let97, McC74, MM88, Ryb89, Zag24a, Zag24b]. **Daykin** [Sha76]. **DC** [MMH89]. **DDMF** [BCD⁺10]. **Debye** [ND70]. **decade** [Bre85]. **December** [ACM87, BCEP94, MMH89, Zah94]. **Decimal** [Har09a, VVA09, WS05b, Bai88]. **decimal64** [LSZ08]. **decision** [Ye17]. **decomposition** [CZ95]. **Decreasing** [BFHT85]. **Dedicated** [IK05]. **Defektberechnung** [Mül90]. **Defined** [Wyn60, Tre80]. **definite** [Gla74, Won73b]. **definition** [BL71]. **Degenerate** [PS79]. **degree** [Bre18, Tes69]. **degrees** [QL19]. **Dekker** [Bol06]. **demonstration** [CCC96]. **Denominator** [BM04]. **density** [CKL89, McN73]. **Denver** [Luk99, USE88]. **Department** [Tra76]. **dependent** [Kre89]. **Depth** [BFHT85, OTY91]. **derivation** [Din73]. **derivative** [CS82, CS83, DC81, GST11a, IKK91, LLK14, War75, Wen64]. **Derivatives** [Amo83, AG08, Dan82, GK70b, Ike75, Ike76, Lau73, ST74, SB71, Tem79a, XD18, Bar82b, Bar82a, Bar84a, Bus74, Che81, Dom03, Fuk13b, GK70a,

GS14a, GOST23, Joh15b, MP79, McC81, Sai89, Sun88, Tak22, TV09, Töl68, XC15, ZZ96, Gau66a]. **describe** [MO18]. **Design** [ASA06, BT99, BH01, BH07, CCC96, HXX22, IEE89a, IEE89c, LKH93, LMS99, MCT18, OLHA95, Rev16, SS94, TBDS11, ZG87, SL97, ZA14]. **designed** [CTA22]. **designing** [WN03]. **designs** [CL94a, Sg92, SS93b]. **Desirable** [Hul78]. **Desk** [BR73]. **Details** [Bai17]. **Detection** [QXG18]. **DeTemple's** [Che16b]. **Determinant** [CT88]. **Determination** [BB94, Hol69, Liu93, de 77, Aab54, Ter79, VRS⁺95, VRS⁺99]. **Deuxièmes** [AEF92]. **Develop** [ACG⁺87]. **Development** [Lev73, PN85, Ypm95]. **developments** [Dop42, GST14b, Sch80a, Töl68]. **Deviate** [HD73]. **diagonal** [Kra89]. **Dictionary** [BCD⁺10]. **Difference** [FK19, LA85, Olv67a, CH78, Luk56a, Luk56b, OWS⁺14, Olv67b, QL19]. **differences** [MNP83]. **different** [Her71, KW21]. **Differentiable** [PS93, Pro87, Zie89]. **Differential** [BK16, Cas83, Cle69, Fri72, IS90, AO08, Arm82, Dev12, EM94, FLO04, GST04b, HBF09, IS92, Luk56a, Luk56b, KR86]. **differently** [DM91]. **Differentsiruemye** [PS93]. **differintegrations** [Nis84]. **Difficult** [Alt79]. **Difficulties** [Lon81]. **Difficulty** [Tur69]. **diffuse** [MO18]. **Digamma** [Köl72c, Lin79a, Moo67, Pai19, Spo94, Fer07, Köl84, QM15]. **Digit** [ALMN05, BL94, BTDS11, DM88a, DiD90, DM92, EM03, HSE⁺24, Kor05, LA01, PBLM08, Rus13, TBDS11, CA00, EL94, LKKH99, LE93, LP83, MC93, MC95, PKP74]. **Digit-by-Digit** [PBLM08, LP83]. **Digit-by-Rounding** [BTDS11, TBDS11]. **Digit-Recurrence** [ALMN05, EM03, EL94, LE93]. **Digital** [Ano22, Bow53a, CET62, CU59, Erc75, Erc77, Has55, IEE99, LMS99, Loz03, Maj85, MKY92, SA00, SA05, WWG51, WWG57, WWG82, Lin57, RW77]. **digits** [Bai88, BBB89, ZA24]. **DIIS** [Sel93]. **Dilemma** [Kah18]. **Dilogarithm** [GZ75, Mor76, Mor79, O'S16, Köl68]. **Dilogarithms** [Lew58]. **dimension** [LP62, vRdL88]. **Dimensional** [BTT16, WEX14, PS93, SF10, VB81]. **Dimensions** [Sle64, Pól49]. **Dirac** [CT67a, MN16, BDM81, CT67b, Din58, Fer86, Fuk14a, Fuk14b, Fuk15d, Fuk15b, Fuk15c, GOST23, Goa95, Let01]. **Direct** [GBS19, HAK91, Kin24, Kin07, PDK96, LKK19, Ng68, Wei98]. **direction** [DR89]. **directions** [BIS01]. **Dirichlet** [BB15, BM15]. **discrepancy** [Pro88]. **Discrete** [JMS98, Mul85a, Roc82, Sle78, Per85a, Rei86, Tur72]. **Discussion** [BJK⁺11]. **Discussions** [Cah54, Ded26, Esc37, Kal34]. **dispersion** [CH78]. **displacement** [YH89]. **Distance** [Lef05]. **distributed** [Tak00]. **distributed-memory** [Tak00]. **Distribution** [Dor68, Gil16, Ham78, HJ67b, Hil70a, Hil77, Lin09, Mac65, Mar04b, Mor80, PR82, PR96, Pom74, Pom76, Rob69, Sho02, Sho05, Tim87, VLCSFN⁺12, YBR11, Bad76, BKKC09, Cyv64, DC81, Fet79, FW84, Fuk14b, GST15b, HB75, KPPS08, Leh70, Mac68, MZM94, MRS18, Rev90, Sho86, Ved93, Wri84, Yun09, Hil81a, eL79]. **distributions** [SZW11, Wan82, ZZ11]. **divergent** [Wen89, Wen96, Wen10]. **Divide** [BH07, CH98, D⁺89, GBKK09, Int00, Int03a, PZ95, SL95, Wil70,

ZG87, AGS99, BH01, CHGM99, Mat90b, MM92, Saw02, WMDM92].
Divide/Square [SL95]. **divided** [MNP83]. **Divider** [XLW⁺20, LMT⁺92].
Divine [Bat07]. **Division** [BR73, BC23, Bru22, CHI⁺03, CL94b, EL94, EIM⁺99, EIM⁺00, HSE⁺24, Int03b, IM99b, ITY95, JJ65, Kah99, KM97, Kor05, LM95, LA03, LF92, LD89, Mar04a, MIT⁺95, Nan11, PB02, PB08, RJM⁺20, Rus98, Sar59, SL97, Tra60, WG92, AHM⁺98, ALB98, BMR04, CL94a, CL95, EL89b, EL89a, EM03, Fan89, GREL96, HTHR94, HF95, ITY97, KM93, KMB94, KP98, LM99, LKH93, LKKH99, MI97, MMW91, MM91a, MMH93, MC91, MC93, MC95, NL99, Obe99, OJ04, SF93b, Sch95, Ste89, Tak00, Tay81, TE06, WN03, ZXBZH01, Zim00]. **division-free** [HTHR94]. **division/square** [ALB98, LM99]. **division/square-root** [ALB98]. **Divisionless** [Sar60]. **divisor** [BMR04]. **DL** [Mor81]. **DLMF** [Loz00]. **dlya** [PT80]. **do** [Ped80, Wen09]. **Docev** [Ano84, Sal83]. **Document** [MHSK16]. **Documentation** [Rot70b]. **Dokumentation** [Rot70b]. **Domain** [PP12, Cro92, HTHR94, JT85]. **domains** [Ric92, Sau93, Shi93]. **dont** [Del81]. **Doppler** [WKG66]. **Double** [Cod64, DAV12a, DAV12b, God20, Kin65, LL09, LM03, PB02, SH72, Sca71, She76, Spe72, Swa65, ABF⁺23, Ano14, GKK00, HHv⁺73, Hon71, MS87, Paw11, Ped03, Tem86, TE06, WG94a, dDLM04]. **double-index** [GKK00]. **Double-Length** [SH72, HHv⁺73, Hon71]. **Double-Precision** [Cod64, God20, Kin65, Swa65, Ano14, dDLM04]. **Downward** [GM04]. **Driven** [ASA06, Tan89a, Tan90e, Tan92]. **Drivers** [Cod93b]. **drobno** [Saa91]. **drobno-ratsional'nykh** [Saa91]. **DSP** [BJG⁺99, BJG⁺00, LP16, MKY92, Ste89, WMDM92, dDP10]. **DSP-Enabled** [LP16, dDP10]. **DSP-Oriented** [MKY92]. **dual** [KMY89, MI97]. **dual-rail** [MI97]. **Dualmaschinen** [Rot70a]. **Dumka** [Köl90]. **duplication** [Car79, Fuk13a]. **durch** [Sti53]. **during** [Bre00]. **Dutch** [Dop42]. **Dynamic** [BCD⁺10, Mül90, Dem89, Krä88, MI97]. **Dynamical** [Mey01, Ise94]. **dynamics** [AGH89, Ise91]. **dynamischer** [Mül90]. **Dyson** [Hom96a]. **Dzjadik** [Kon76].

early [Dut84]. **eBook** [Lip21]. **ECCTD** [IEE89a]. **Eclectic** [Sri07]. **Economic** [SK71]. **Economical** [Cod67]. **edge** [Mit92]. **edition** [Fet81b, Köl97]. **Editor** [WTA⁺90, Cat86, Cod67, Fik67a, Kin65, Knu63, McC90, Rev90, Swa65]. **EDSAC** [WWG82]. **Education** [LMS99]. **effect** [Lit93, Lit94]. **Effective** [BBC08b, HMO19, Kra85b, AM89, Jab12, KC11]. **èffektivnom** [DZKK77]. **efficiencies** [Jam89]. **Efficiency** [Zag16]. **Efficient** [Ahm89, AIS⁺17, Bor95b, BCE⁺08, CL94a, CVW06, DJ67, DZKK77, Flo15, Fow93, FR76, GST12a, GST17, GLT⁺15, ITY95, ITY97, Joh14a, Joh15a, Joh87a, Joh20c, Joh20d, Kir88, KB86, LL09, LJ13, NKY08, PW90b, PLT23, Ric73, SW99a, SK11, Smi89, Spi61, Tan90a, WS05a, Woz10, Zag17, Zag24a, Zag24b, AQ18, Bak75a, Bor95a, CGKZ05a, CGKZ05b, Dan77, Ell83, Flo61, Has00a, HF95, Joh87b, LKH93, Mac97, MC89, dLSG18, SS23, Sun15, Tom00, Vep08, Wal84]. **efficiently** [NL94]. **Effusions** [Bat07]. **Egypt** [Wah04]. **Eigenschaften**

[Tri50]. **Eigenvalue** [Ovt03]. **Eigenvalues** [SS65, Sti53]. **Eigenwerten** [Sti53]. **Eignung** [Völ83]. **Einbettung** [von80]. **einfacher** [von84]. **einiger** [Fil66]. **Einschließung** [Sch68]. **Einstein** [Din58, Mac97, NDT69]. **Electrical** [Wah04]. **electrochemical** [MO18]. **Electromagnetic** [LKL02]. **Electronic** [BR73, Kog57, Kog58b, Kog58a, Kog59, Köl90, Rob55, Wah04, WWG51, WWG57, WWG82, Har77, Tri66, WO15]. **electronic-structure** [Har77]. **Electrostatics** [Mul95]. **element** [LG79, Mon83]. **Elementarsed** [Jür66]. **élémentaires** [Ber84, Laz85, Mul85b, Mul86]. **Elementare** [Töl43, Töl50]. **elementaren** [Rot71, Völ83]. **Elementarer** [Emd40, Emd45, Emd48, Emd59, Fil66]. **èlementarnykh** [Bar72, DZKK77, LČJ63, LP83, PS93, Saa91]. **Elementary** [ACG⁺87, Ahm89, AFC10, Bak75b, Bak92a, BSY82, BBM84, BB84, BB97, BB00, BB04, Bra87, Bre75a, Bre76a, Bre80a, Bre06, Cod71, CW80, Cod91, Cod93a, CB87, CVW06, Dam94, Dav81, DeL70, Dri89, Ekl01, Emd40, Emd45, Emd48, Emd59, Erc72, Erc73, ELMT00, ECSD20, Far81, Fil66, Fra78, Frö61, Frö63a, Gal85, GB91, GL83, Gon52a, Gon52b, Gus86, HKA93, Hul78, HFT94, JGB13, Joh15a, Jür66, Kah82, Kah87, KDDH92, KDDH94, KB90, Kog66, KZ90, Krä87, LM03, Leh96, Liu87, LJ13, dL70, LCY65, Mar72, MDM16, Mat87, MLS⁺18, MCM90, Mor64, Mü190, Mul97, Mul20, NS09, NKY08, Nis94, OTY91, PW76, Ric68, Rit25, Rot70b, Rot71, dLSG18, Sal92, SS94, SS99a, Spi61, SDP11, Tan89b, Tan90c, Tan91b, Tho87, Tur72, Völ83, Wan74, WG91, WG94b]. **Elementary** [Ziv91, Zuc64, dDLM11, von80, von84, ACG⁺87, AM78a, Ano14, Arm82, BKM94, Bak73, Bak75a, Bar72, BBD03, Ber84, BL71, Bor88, BCD⁺02, BD02, Bre75b, Bre76b, Bre10, Bro89b, Bro89a, Bro90, BJLP19, Car69, Car90, Che81, CA00, Cle54, Cod82, CDJ⁺01, Dan77, Das94, DMMM95, Dri91d, Dri91a, Dri91c, DM88b, DK77, DF78, DZKK77, Eps75, EC79, FLMR00, Fer86, Fog51, Gal86, GM84, Hai60, HHv⁺73, Her69, Her71, Hit75, Jam81, Joh14a, Kai89, Kaz65, Kog60, Kon76, Kra85a, Kra85b, Kui52, Laz85, LM07, LN22, Lin57, Liu93, LČJ63, Loe01, Lóp18, vdD88, Lut95, LP83, MS67, Mak65, Mak80, MT72, Mar81, Mar90, Mar00, Mar03, McC77, Mer94, MY91, MV98, Mul85a, Mul85b, Mul86, Nag68, Nis84, OGWY94, Olv80, Pei63, PKP74]. **elementary** [PS93, Ric88, Ris79, KR86, Saa91, Sai89, Sal76b, Sg92, SS93a, SS93b, Shi93, Sho60, Sim64, Smi89, Spe72, Squ91a, Squ91d, Squ91b, Tan91a, Tes69, Töl43, Töl50, Tre80, Wal71, War60b, WG94a, WG95, XLX⁺83, XL94, ZSA86, dDM06, PBM86a, Töl43, Töl50]. **Elementary-Function** [BBM84]. **elements** [Mus87]. **ELF** [SG99]. **Elfun18** [Bat19]. **elimination** [EH16]. **Ellipse** [Adl12]. **Ellipsoidal** [Hob31, Hob55]. **Ellipsoids** [DR94a, DR94b]. **Elliptic** [AVV90, AVV92, Ars62, Boe61, Bow53b, Bow61, BF71, Car77a, CN81, Car87, Car88, Car89, Car92, CG94, Car99, Cod65a, Cod65b, Cod66, DH59, Eck80, Ehr61, FL67, Fet65, FC64, Fra65a, Fuk15a, GW71, Gla71, Gre92, Gre59, Hol90, Kin24, Kin07, Lan60, LW63a, LW63b, Lóp00, Luk68, Luk70, Mas75, Mer62, Mey01, MT64a, MT64b, NC66, PS05, PT90, QV96, QVV98, Sch88a, Sch85, Sch15, Sid95, Sko78, Sou64, SMCH41, Tka03, Van69,

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[AL20, Bau89, Bor10, BM80, CM13a, Che16a, Che16b, Chl11, Dav59, Fre05, HG64, Kar01, Knu62a, KB67, Lin79a, Lu14, LSY15, Rza12, Swe63, XC17].

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[GS82b, Lav86]. **evaluator** [PBN93]. **Even** [ARH14]. **evolution**

[Dev12, War08]. **Evolving** [PUHM12]. **Exact**

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[Bai93]. **Exercise** [BB12]. **Existence** [Som82, Wan74]. **existing** [FKY86].

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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**

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Fifteenth-Century [Plo96]. **Fifth** [Ded26, SC01]. **Filter** [MKY92]. **find**
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Flexible [IP17]. **Floating**
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 MMNP91, Obe99, Rev16, Rus98, Sch88b, Smi91, Ste08, Tan89a, Tan90e,
 Tan92, WS05b, dDP10, dDLM11, BBC⁺91, BWKM91, BCK⁺93, Bol06,
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 JKMR11, JMMW79, Kah80, LP16, LP17b, LM15a, LD89, MMNP91, Rev16,
 Smi91, Tan89a, Tan90e, Tan92, WS05b, dDLM11, dDP10, BBC⁺91, BCK⁺93,
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fious [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, GRAFT16, 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, 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, Mü190, 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, BFGS74, Bar81, Bar82b, Bar82a, Bar84a, BFGS84, 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, Pei63, 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]. **funktssii** [PT80, PS93, PS93, LČJ63]. **funktssioonid** [Jür66]. **funktssioonide** [Jür66]. **funktssii** [LP83, Bar72, PS93]. **funktssii**. [DZKK77]. **funktssiiis** [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, GAST16, 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, KWHY07a, 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]. **Hochgenau** [Bra87, Mül90]. **HOL** [AAH10]. **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, Böh87, Böh92, Böh03, 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**

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MMV81, MS87, Saa91, Tes69, Wen10]. **Measure** [DR94a, DR94b].**Measurement** [BDL⁺01]. **Measurements** [Lid01, Lid02]. **measures**[Was89]. **Mechanical** [SG02a, CK89a]. **Mechanically** [Rus98, Rus99].**Mechanics** [Bir54, Sti88]. **media** [YH89]. **medieval** [Joh11]. **Medium**[Joh15a, Joh14a]. **Medium-Precision** [Joh15a, Joh14a]. **Melbourne**[Lav80, Men06]. **Melfi** [CDS00]. **Mellon** [Tra76]. **Memoirs** [Lov53].**Memoriam** [Dav59]. **Memory** [LJ13, Kog89, Tak00]. **Memory-Efficient**[LJ13]. **mesh** [DR89]. **Metalibm** [KL14]. **Method**[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, RKG72, 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, Mü193, NS13, Oli75, Osa94, Özb06, Pas10, Pas11, POP17, PC93, PKP74, Pol88, RW77, Roc82, RDK98, Saf10, SS98, Spi85, Sti59, Wat90, Wim82, Die83]. **metodod** [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**
 [CS83, AM89, Fet81a, MH72, Mor78, Mor99]. **Molecular**
 [LDP93, Saf10, WO15]. **Møller** [Hom96b, Hom96b]. **moment**
 [FW84, Gre82, Wri84]. **Momenta** [TTW79, TTW84]. **Moments**
 [LL72, FW84]. **Monica** [ES89, IEE78]. **Monotone**
 [Alb62, Dun94a, Dun94b, FB91, BP01, Dun87a, Dun87b, Dun88, SS87, Bra65].
monotonen [Alb62]. **Monotonic**
 [LM08, CE15, CP15, Che15b, GQ09, QL19]. **Monotonicity**
 [Che16c, LS88, CB12, GR92, GL01, Ism77, LM93, QGG10, Qi14]. **Montana**
 [BL91]. **Montgomery** [Ngu98]. **Montgomery-Like** [Ngu98]. **Monthly**
 [BC18]. **Montpellier** [KM07]. **Mordell** [BB16, Kuz15]. **Mortici** [CL16].
most [LM07]. **motion** [AB93]. **motions** [CZ10]. **Motivation**
 [Tod54, Tod55]. **Moursund** [Fik67a]. **MP** [KB90]. **MPFR** [FHL⁺07, The21].
MPFUN2020 [Bai21]. **MR** [Fet81b, Fet81a, Fra81, Köl97, Lew87, Per87].
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, GRAS16, 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, KPSP08, 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, Mü193, 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]. **Odnomernyi** [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** [BWK91, 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** [AAH10, 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]. **Power3TM**
[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]. **priblizhenii** [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,

IL07, KM95, KM91, Lak96, Lav80, Luk99, MT85, Mul82, SE11, SIJ93, TT18, Tra76, Ull90, Ask75, Ban01, BL91, BC01, CDS00, CLT20, Koo91, KK99, LMT97, MMH89, Mar85, MC87, MC90, Mil75a, MT86, Ric92, T⁺97, USE88, Wah04, Zah94, ACM89, Ano06, BCD⁺20, Boi97, BCEP94, Bro07, BCDH09, DIW00, HY14, IEE05, IEE13, KM07, Lan59, Men06, MS94, SO11, SC01, SKL93, Spr00, FvdHJT10, Gre16, IEE21, IEE22, RDK98]. **Process** [Whi63, Bel90]. **Processes** [SK71, Bre83, Ebe89, Har49, Ruy89, Wen01]. **Processing** [Lav80, SKL93, JL94, Luk99]. **Processor** [D⁺89, Dav81, Nav83, Rus98, AGS99, DMS95, Mar90, Mat90b, PKS00]. **Processors** [IEE89c, IEE08, Rev16, T⁺97, VDR05, BBC⁺91]. **produce** [LN22]. **product** [AB88, Gla74, LW89, Max91, MS15, VC06a]. **Production** [Sch76b, Sch77b]. **Products** [KKI67, MS68, Sol69, XD18, LK73, RKZ⁺14]. **Professeur** [AEF92]. **Professor** [AEF92]. **profile** [Dav59]. **Program** [Bar76a, Bar76b, Tem79a, BDM81, Bar84c, DSK83, DSK84, DF84, LMS73, MKS83, NT84, SSG⁺18, Wen64, Wie99, Zei91]. **Programmable** [LA85, LE95, LE93]. **Programming** [Bee17, Chr62, DGS65, Frö63b, ISO10, Meg89b, Mul82, Ano67, Chr65, Gon89, Joh88, KMY89, Meg89a, PUHM12]. **Programs** [Bai93, BBM84, Cah54, Cod90, Köl72c, Köl84, Mos89, TGC89, WNO94, WWG51, WWG57, WWG82, BW89, Dam94, Fuk83, Gon89, Tho97b, Tho97a]. **Progress** [FLR03, Meg89b]. **project** [GST14b, ES10, IA20, KS20, Loz00]. **projection** [Som82]. **projections** [Via89]. **projective** [Via89]. **Prolate** [LP61, LP62, MC04, Osi13, SP61, Sle64, Sle65, Sle78, RX07, SS65]. **Prony** [LB09]. **Proof** [BMZ02, Chi20, Rus98, BMZ06, Bol06, Leh83a, Leh83b, Mim88, Rus99, Zim00]. **Proofs** [The21, CHGM99]. **propagation** [GK70a]. **Properly** [HA85]. **Properties** [Bar10b, Kui52, Lew91, RGK72, Sch76a, Sho02, Sie76, AB88, BG84, Che11, CB12, Che16c, GR92, GL01, Her82, Hig77, Kra89, Mak80, Mat92, Mit49, MC04, MO18, Ris79, Ruy89, Tre80, Tri50]. **property** [AR99]. **Proposal** [BCK⁺93, DHL⁺04, OGWY94]. **Proposed** [AOB64, Dri89, Dri91a, Dri91b, Kah80, Loz96a, Loz97a, Sal92, Squ91a, Dri91d, Dri91c, Hou81, Squ91d]. **Provably** [Dun87a, Dun87b, Dun88, Dun94a, Dun94b]. **proven** [dDLM04]. **Prover** [Bor02]. **provider** [Ste08]. **Proving** [CH98, MDM16, Bel89, Zei91]. **proxy** [Boy14]. **pseudo** [Bre74]. **pseudo-random** [Bre74]. **Pseudodivision** [SK71]. **Psi** [Amo83, CST73, Din58, Moo67, SB71, Tho65, Alz97b, AR99, Che11, CB12, Che13a, CE15, Che16a, Ele15, Kat78, MM95, QL19, XC17, YCZ15, Wim74]. **Punch** [Gel51]. **Punkte** [Bra87]. **pupils** [Bir54]. **Purdue** [Zah94]. **PVM** [PNV01]. **Pythagorean** [Dub83, MM83]. **PZ** [CDS00].

Q [FK11]. **Q-Function** [FK11]. **Qrd** [LF92]. **Qrd-based** [LF92]. **quad** [Mar03]. **quadrant** [HFS99]. **Quadrate** [RS98]. **Quadratic** [Car92, POMB05, Car91, CF00, Dri95, MJ13]. **quadratically** [Sch95].

Quadrature [Ben98, Gau16, GST03b, Gus66, HT13, JM18, KP03, Akr85, FO93, Gau02, GF97, GST02a, Kza92, Kza99, LW95, SL83]. **Quadratwurzel** [Rot70a, Kun81, Rix82]. **Quadratwurzel-Algorithmus** [Rix82]. **Quadratwurzelfunktion** [Hol69]. **Quadratwurzeliteration** [Rut63]. **Quadratwurzeln** [Die83]. **Quality** [Boi97, Sht19, Atk79]. **quantifier** [EH16]. **quantile** [SE14]. **Quantiles** [Hil70b, eL79, Hil81b]. **Quantisation** [PS05]. **quantities** [DP92]. **Quantum** [MCT18, Var95]. **Quartic** [Flo15]. **quartically** [Bai88]. **quasi** [Cri82, GM88, MG89, MPG92a, MPG92b]. **quasi-analytic** [Cri82]. **quasi-fractional** [GM88, MG89, MPG92a, MPG92b]. **quasiconfluent** [AS03]. **Quasipower** [Pas95]. **quaternary** [CA00]. **Qubit** [MCT18]. **question** [PKP74]. **Questions** [BL71, Ded26, Esc37, Kal34, Arm82]. **Quick** [Tho93]. **quicker** [LM15b, LSM16]. **Quotient** [Rus13, Che71]. **quotients** [Ism77].

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]. **rational**s [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, Mü190, 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, Mü190]. **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, Pei63, 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]. **Šaňkara** [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**
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 [ADN03, Boe61, Boe62, Bur63, Bur64, Fet67, Fra65a, GB68, Gla66, Har66,
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 [SR81]. **SIAM** [SKL93, IP87]. **side** [JW88]. **Sided** [Sch84]. **Sieve** [Ngu98].
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 [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,
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 [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].
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Single- [HHv⁺73]. **single-rail** [MI97]. **singular**
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 [JS89]. **sistemakh** [LP83]. **Sivashinsky** [AGH89]. **Six**
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 [Bor10, McC74, Wen07]. **Tschebyscheff** [Hol69].
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Turkey [HUY07]. **turning** [PA86]. **Tusnady** [Ein89]. **tutorial** [Glo89].
Twenty [MS94, Sin95]. **Twenty-Ninth** [Sin95]. **Twenty-Seventh** [MS94].
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 Has66, HMO19, MG89, MPG92a, MPG92b, MS68, Sch84, SG99, Sol69, Sor94,
 Wad58, WEX14, Wre68, Wre73, CF00, Cro92, Das94, DC81, GST02b,
 GST02c, Gla74, GM88, Har20, LW96, Max91, Ost54, PS77, PS78, Pó149,
 QW06, RKZ⁺14, Sue99, Yey92, Gus78a]. **Two-Dimensional** [WEX14].
Two-point [MG89, MPG92a, MPG92b, Cro92, GM88]. **Two-Sided** [Sch84].
Type [BJG⁺99, CCM11, FK11, Gel51, CG89, Chi20, CPG12, Fdi97, GST03a,
 GST20, GLP98, Håv79, Has02, Hau88, KT00, KRT02, Lev91a, LW82, ÖE16,
 Pas92, Tem85, Vai89, ZZ96, ZS08, Zhu10, KSVW07]. **Typed** [Sal92]. **types**
 [EMR82a].

UK [BBdD17]. **ultimate** [dDEG05]. **Ultra** [EMR82a, EMR82b, KO94].
Ultra-arithmetic [EMR82a, EMR82b]. **Ultra-high** [KO94]. **Uncertainty**
 [Sle64, Sle78, LP61, LP62, SP61]. **uncommon** [Mac96]. **Undecidability**
 [Wan74]. **Undecidable** [Ric68]. **under/overflow** [LM07]. **Unified** [AFC10,
 AS10, AM78a, Che13b, CC17, Cra12a, GLP98, GM07, HSE⁺24, NKY08,
 SL07, Wan16, CL94a, CL95, Håv81, HTHR94, Hit75, NU88, SA00, Wal71].
Uniform [Boe91, DGS18, MR71, Olv91, Tem75b, Tem78, Tem83c, Tem96b,
 Bry02, GST03a, GST20, Luk75a, OG82, Par02a, Par02b, Par16, Rei86,
 Tem85, Won73b]. **Unifying** [ES10, Par06]. **Unit** [Bru22, BS98, Min70,
 Nan11, ZG87, ALB98, BBC⁺91, Büh87, Büh92, Büh03, BH01, Che71, DR04,
 KMB94, LM99, LKH93, Lew85, Lew87, MI97, MS82, TRHH94]. **Unitary**
 [Leh96]. **United** [Boi97, IEE89a]. **Units** [WS06, OJ04]. **univalence** [KT59].
Univalent [SO89, Rus88]. **Univariate** [Div79, IA20, JKKdJ92, MDM16].
universal [HSW89, Rix82]. **Universeller** [Rix82]. **University** [AGA⁺80,
 Ask75, Bro07, HUY07, Hwa85, IEE89a, IEE81a, IEE81b, IP87, Tra76].
unlimited [HTHR94]. **Unrestricted**

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v [LP83, GZC22, Sch73, Sle78]. **V**. [Kon76, Rac82]. **Vāriyar** [Hay99]. **VA** [SKL93]. **Vacuum** [FR76]. **Vacuum-Polarization** [FR76]. **Vail** [BC01]. **valid** [RX07]. **Validated** [BBC⁺14, CCV11, CBBV10]. **Validating** [Ull90]. **Validation** [AAS93, CK89b, Squ91b]. **Value** [Cas83, Daw97, Fri67, AO08, Cro92, JS89, Mat90a, Spi85]. **Valued** [Mat04, PS11, Fab02, Wat90]. **Values** [BY07, Cle69, DJ67, Fri72, GB68, GRAST16, HP62, HKW60, MM91b, SF16, TKK17, BS11, De 91, EC13, Fet81a, FW80, Fra81, Fuk09b, Gau59, GST15a, GOST23, Jab20, KWY07a, KWY07b, Kat78, Mou67, Pan59a, Pré10, RX07, Tem96b]. **Vancouver** [Gau94]. **Variable** [CET62, Fra65b, HA85, HA86, Let01, LE95, PB08, Ric68, Sal51a, Ske86a, Ske86b, SLZ05, Won73a, XL94, Gon52a, Gon52b, HXX22, Jür66, MY91, Ric88]. **Variable-Precision** [LE95]. **Variable-Stepsize** [Ske86a, Ske86b]. **Variables** [Boe62, DX01, DX14, BK16, KPPS08, KS88, MH72, Sho86, Sue99]. **variants** [Cra12a]. **variates** [Mar77]. **variation** [GK89b, Zie89]. **varies** [AB93]. **various** [BBP97, Ism77, Joh12]. **Varna** [RDK98]. **varying** [Was89]. **Vector** [ACG⁺86, NKY08, ACG⁺87, BCK⁺93, JS89, KK98, Liu95, Mat92, Rap01, TRHH94, Gun65a]. **vector-arithmetic** [TRHH94]. **vectorizable** [dLSG18]. **Vectorized** [SP20]. **Vectors** [GLT⁺15]. **Vegas** [AFI69]. **Veltkamp** [Bol06]. **Veltkamp/Dekker** [Bol06]. **venue** [IEE89a]. **Verfahren** [Hol69, Sch68, Die83, Ost37]. **Verification** [GBKK09, Krä93, LO95, MRH19, Rus13, SG02a, AK93, Har03, Saw02]. **Verified** [BDL09, DLM09, Miy19]. **Verifying** [AAHTH10]. **Versatile** [LBC11]. **Version** [MHSK16, SSG⁺18]. **versions** [LW89]. **versus**

[Ful99, GBS19]. **Very**
 [BHK09, LM95, LM99, Mit92, Sch80b, SE14, ALB98, MN16]. **Very-High**
 [LM95]. **VFP11** [BH07]. **Via**
 [Gar79, Bor10, BBC08a, Cau22, CT88, GSS12, GRS87, Gly89, Har09a, Hig93,
 JKMR11, KW21, KT00, Kuz15, LKF10, NP18b, Par09, Sal89, WLK11].
Viable [ES10]. **View** [DGS65, Mey01, Ano67]. **vignettes** [War08]. **Virtex**
 [WN03]. **virtual** [IEE21, IEE22]. **virtuoso** [BCR⁺07]. **viscous** [Joh83].
Vistas [CKT07]. **VLSI**
 [BV85, IEE89c, LC96, LD89, MMW91, MM91a, MM92, MMH93, Ste89].
Voigt [Zag16, Rei69, SK08, ZA11]. **Vol** [CK89a, Laz85, Lov53, MS94].
volatilities [SR16]. **volatility** [MRS17]. **Vols** [BC62]. **voltage** [HFS99].
Volume [IK05, IA20, KS20]. **Vychislenie** [LČJ63, LP83, Saa91].

W [Coh12, Szm13]. **W.** [Ker83]. **Wallis** [Chi20]. **Wallis-type** [Chi20].
Walter [Zah94]. **Washington** [MMH89]. **Waterloo** [Bro07]. **Wave**
 [Abr64a, Boe69, CP70, Fla57, Frö55, Gau66b, Gun67, Ike75, Ike76, LKL02,
 Low64, Osi13, She76, Sle64, Sle65, Sle78, Str56, SG72, V⁺75, Vos73, BFSG74,
 BFSG84, Gau69b, Hum85, Köl69a, Köl69b, Köl69c, Kre89, LP61, LP62,
 MC04, OWS⁺14, RX07, SP61, SS65, SMCH41]. **Wavefunction**
 [Bar76a, Bar76b, Bar84c]. **Wavefunctions** [Köl72d, She74, Bar82c]. **waves**
 [Ehr89, MKS83]. **ways** [Boy15]. **weak** [Wil96]. **Weakly** [Zie89]. **Weber**
 [GST11b, Olv67a, SGA81]. **Weierstrass** [T.57, Eck76, Eck77, Eck80, KI04,
 Lin78, Lin79b, PC93, Sou57, Sou64, Tod90, Töl66, Töl67a, Töl68, ZZ96].
Weierstrass-type [ZZ96]. **Weierstrasssche** [Töl66, Töl67a, Töl68].
Weights [HT13, JM18]. **well** [Vai89]. **well-behaved** [Vai89]. **WG2.5**
 [Boi97]. **Where** [Sau92]. **Which** [GBS19, Wyn60]. **Whittaker**
 [Lau73, LVV05, Wen96]. **Wide** [BHK09, MMNP91, MV98]. **wide-range**
 [MV98]. **Wiener** [Deh89]. **Wigner** [JF16, Tal68]. **Wilhelm** [Wig67].
Windschitl [LSM14, LSM16]. **Windsor** [SIJ93]. **Winter** [MMH89].
Wisconsin [Ask75]. **Wisconsin-Madison** [Ask75]. **Without**
 [BC23, Kah99, Sar59, Tra60, EL89c, EL90]. **Witten** [BB16]. **WKB** [FK19].
Work [WNO94, Fer07, GG08, Rut51, Tem83b]. **Working**
 [Boi97, Tod54, Tod55]. **Works** [Cra12b, CK89a]. **Workshop**
 [Bor02, Cow77, CDS00, DIW00, RDK98]. **workshops** [Koo91]. **Worst**
 [LM03, LSZ08, PS05, SLZ05, Kra98]. **Wrigge** [Fra81]. **Wright**
 [Fet81a, MM95]. **Writing** [DM91].

X [LDP93, Bor21a, HJ67b, LL09]. **X8** [Rot70b]. **XMeter** [AMM21]. **XXI**
 [Hor19].

Y-MP [KB90]. **YBC** [FR98]. **yield** [Mei83]. **York** [Fet81b, Köl97].

Z [Gun65a]. **Z80** [Kun81, Kun81]. **za** [LP83]. **ZEBC** [KRVZ98]. **Zero** [BS98,
 ES99, Hit57, Osi13, Pie84c, BF92, Bre75b, Bre76b, Cha82, Gla74, IS88, MI97,

MC93, MC95, SS65, Tes69]. **Zero-Balanced** [BS98]. **zero-finding** [Bre75b, Bre76b]. **zero-overhead** [MI97]. **Zeros** [Abr45, Ano46, Bal00, Bea58, BK78, Ben83, CH70a, CS82, Dor66, FO99, GKS04, Ike75, Ike76, Kol70, Kol72b, O'S16, Tem79a, Wan74, Wil68, AB93, Ben98, BPD81, Coc65, CK79, DC81, EL01, Elb01, EL08, FLO04, FS92, FCC73a, FK75, FO93, GG08, GS88, GS12, GS14a, GL83, GR92, HB75, ISK87, IS90, IKK91, IS92, IKF91, KRVZ98, LM93, LW96, Leh70, LW95, Let96, LG79, LU96, LM08, Mah30, Mul95, Par72, PS86, PSS03, Pie84b, Sal55, SG99, Seg08, SL83, SZW11, ZZ11]. **zeroth** [Wal84]. **Zeta** [BM15, BH18, Bor95b, BBC98, BBC00, HP62, Kol70, Lin78, Lin79b, Mar65, Rza12, Sch16, SJ01, SJ12, TTK17, Töl67a, AB93, BB15, BS06, Bor95a, CHT71, Cra12a, Joh15b, Leh70, Leh56, PDK96, Pré10, Sko05, Tur43, Tur53, Vep08, HG64]. **Zeta-** [Töl67a]. **zeta-function** [Leh70, Leh56, Tur43, Tur53]. **zur** [Die83, Hol69, Rut51, Rut63, Sti53, Hom96b, Sti53]. **Zurich** [Lak96, T⁺97].

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