

# 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].  $(a, b) \leftarrow (\frac{a+3b}{4}, \frac{\sqrt{ab}+b}{2})$  [BB89].  
 $(\eta, \pi)$  [BDG<sup>+</sup>84].  $(\eta, \rho)$  [BDG<sup>+</sup>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<sup>+</sup>11, CL94a, CP99, Her61c, LO95, MIT<sup>+</sup>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].  $\chi^2$  [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].  $\epsilon$   
[Bre78a, Kal04, KWW07a, KWW07b, Mat92].  $\eta$  [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<sup>+</sup>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, BS13, SS10].  $g_{3/2}$  [Mac97].  $g_{5/2}$   
[Mac97].  $G_\lambda(\eta, x)$  [Bar82a].  $\Gamma$  [BB82, BF92, Sha76].  $\Gamma_3$  [CS11].  $H$  [KS04].  $H_1$   
[AJ03].  $H_n^{(1)}(z)$  [AM79, AM84a].  $H_n^{(2)}(z)$  [AM79, AM84a].  $\mathbf{Ei}(x)$  [CT69].  
 $\mathbf{Ki}_n(x)$  [Amo83a].  $I$  [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].  $I_{\text{nu}}(z)$  [Tho04, Cam81, Cam84a, TB87].  
 $I_x(a, b)$  [YA24].  $\int_0^\infty \frac{t^{2\alpha-1} J_\nu(x\sqrt{1+t^2})(1+t^2)^{\alpha+\beta-1}}{d} t$  [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, Del84].  $J_l(x)$  [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].  $Ki_n(x)$  [BEJ78].  $Ki_s(x)$   
[GP64].  $L$  [ZSA86, BB15, Cra12a].  $L^\infty$  [BF23].  $l_2$  [GLT<sup>+</sup>15].  $L_p$   
[Hei88, Ubh89, JMS98].  $\lambda$  [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].  $\mu$  [Kun81].  $N$  [CH89a, Kog59, BH99, CH89b, Hig93, CL00, Gau59, GLT<sup>+</sup>15, Har14, Lev91b, Rei69].  $\nu$  [CH70a, CK79].  $O(N^2/\log^{3/2} N)$  [SR81].  $O(n^3 L)$  [Gon89].  $\arctan Z$  [Luk57].  $\text{bei}$  [Tha62a].  $\text{ber}$  [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].  $\phi$  [Pro88].  $\pi$  [Bai88, BBB89, CDR71, Sal76a, Sha76, Yar67].  $\psi$  [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].  $Q$  [BT16, 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].  $\rho$  [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<sup>+</sup>11].  $\sum_{n=1}^\infty n^{p-1} E_n^*(f) < \infty$  [HS83].  $t$  [Hil70a, Hil70b, Hil73a, Hil81a, Hil81b, eL79].  $\Theta$  [Fdi97].  $\theta(x; 3, l)$  [McC84].  $\theta_3(q)$  [WV20].  $U(a, b, z)$  [Tem83a].  $U(a, b, z)$  [GST15a].  $U(a, x)$  [GST06a, GST06b, SGA81].  $V(a, x)$  [GST06a, GST06b, RL76, SGA81].  $W$  [Gau11, Goe14, JHC96, Jef17, Joh20a, MS16, Miy19, Pak18, Veb12].  $W(a, \pm x)$  [SGA81].  $W(a, x)$  [GST11a, GST11b].  $W_{k,1/2}$  [Lau73].  $W_{k,m}(z)$  [Won73a, WR71].  $\wp$  [Eck76, Sou57, T.57].  $\wp(z|e_1, e_2, e_3)$  [Tod90].  $X$  [HJ67b, De 91].  $x = 0$  [BB94, Mid75].  $x = 1/4$  [Köl96].  $x = 3/4$  [Köl96].  $x^n$  [McC77, NL94].  $x^{x-1}$  [Mor14].  $xC'_\nu(x) + \gamma C_\nu(x) = 0$  [GS12].  $x \exp(i\pi/4)$  [Wal84].  $x \geq 0, \nu \geq 0$  [ADW77a, ADW77b, Amo78].  $y$  [AB93, De 91].  $Y_0(x)$  [Ano48, WBR82].  $Y_0(z)$  [ZB95, Zha96a].  $Y_1(x)$  [Ano48, WBR82].  $Y_1(z)$  [Zha95, Zha96a].  $y_n$  [AM78b, AM84b].  $Y_n(z)$  [AM79, AM84a, ZB97, dT93].  $Y_\nu(x)$  [Cam79].  $Z$  [Som82, NPA16].  $z = 1$  [BS06, Sko04].  $Z^2$  [Lef05].  $Z\alpha$  [FR76].  $Z\alpha^2$  [FR76].  $\zeta$  [Lee97].  $\zeta(\alpha, s)$  [BS06].  $|x|^\alpha$  [GS91].

**-acceptability** [IP81]. **-algorithm** [Bre78a, Mat92]. **-analogues** [GA08]. **-Approximations** [BF23]. **-Bessel** [BST13]. **-binomial** [Kra95]. **-continued** [Lev91a]. **-D** [BJK<sup>+</sup>11]. **-DIIS** [Sel93]. **-discrepancy** [Pro88]. **-Distribution** [Hil70a, Fet79, Hil81a, eL79, Dor68]. **-elementary** [Bor88]. **-expansion** [Kal04, KKY07a, KKY07b]. **-Exploring** [Sho02]. **-fractions** [Lev91b]. **-Friendly** [WMBE14, BEM12]. **-Function** [DD08, Eck76, Gla66, Jan11a, BT16, GST14a, IR08, Jan11b, KL07, LBC11, SK11, WLK11, BF92, CB09, CD02, CPG12, Dev12, DB13, Fre09, LKF10, MJ13, PUHM12]. **-functions** [BS13, BB82, Gau11, SF10]. **-gamma** [GA08]. **-interpolation** [GRS87]. **-Laguerre** [CIM94]. **-norm** [JMS98]. **-Norms** [GLT<sup>+</sup>15]. **-periodic** [Lem88]. **-plane** [BDG<sup>+</sup>84]. **-Quantiles** [Hil70b, Hil81b].



**-saturation** [Hei88]. **-select** [CL00]. **-series** [BB15, Cra12a]. **-spaces** [Som82]. **-Spline** [Lin79a]. **-th** [Har14, CH89b]. **-transforms** [KS04]. **-type** [Fdi97]. **-Vectors** [GLT<sup>+</sup>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<sup>+</sup>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<sup>+</sup>18]. **2001** [BC01]. **2002** [Bor02, KV03]. **2005** [HUY07, IL07]. **2006** [Ano06, Men06]. **2008** [IEE08, Sht19]. **2010** [ISO10]. **2013** [IEE13]. **2015** [MTV15]. **2016** [MSH<sup>+</sup>16]. **2017** [BBdD17]. **2019** [TBL19]. **2020** [CLT20]. **2021** [IEE21]. **2022** [IEE22]. **2023** [IEE23]. **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<sup>+</sup>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<sup>+</sup>87]. **30-ns** [MIT<sup>+</sup>95]. **300** [Gun67, Köl69b, Köl69c, Vos73]. **301** [BP67, Pit67]. **304** [Ber68, HJ67a, HJ67b]. **30th** [IEE89b, IEE23]. **312** [Fri67]. **32** [ASA06]. **32-bit** [LN21]. **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<sup>+</sup>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<sup>+</sup>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]. **609** [Amo83a]. **610** [Amo83b]. **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<sup>+</sup>98, AAHTH10, BT99, DR04, Hou81]. **754r** [LSZ08]. **757** [Mac96]. **77** [GST02b, WNO94]. **78** [Has66]. **794** [Wie99]. **7th** [Ano06, BCD<sup>+</sup>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<sup>+</sup>18, Smi01, Tho97a]. **903** [CZ10]. **'91** [IEE91, Koo91]. **910** [Kor11]. **911** [Smi11]. **912** [Kod11]. **914** [GST11a]. **916** [ZA11]. **92** [VRS<sup>+</sup>99]. **926** [Tho13]. **934** [EC13]. **935** [RKZ<sup>+</sup>14]. **939** [GST14a]. **954** [Flo15]. **'96** [Lak96, RDK98]. **969** [GRAST16]. **978-0-367-40820-6** [Lip21]. **9th** [ES89].

**A-Priori** [Krä87]. **A.** [Leh83b]. **abc}** [CLZ04]. **Ableitungen** [Töl68]. **Abramowitz** [Dav59, GJL20]. **Abründungsfestigkeit** [Ost37]. **Absolute** [MM91b, Mat90a, Fri67]. **abstract** [Ost54]. **Abstraction** [KI16]. **abstracts** [Spr00]. **Academy** [Mil75a]. **Accelerated** [HR05, DGB82]. **Accelerating** [BMR04, Vep08]. **Acceleration** [Alb62, Boy09, Bra65, Bre82b, CRZ00, DGS65, FFS83, Gus66, HBS00, Hom96a, Hom96b, Hom98a, IBM05, KP03, LB90, Osa90, Ovt03, Pas03, Sel93, SF79, Tro84, UE05, Wil12, Wyn72, Bre77, Che88, Del81, AGJ86, Ano67, BD85, Bel90, Bre77, Bre78c, Bre78a, Bre78b, BDGB83, Bre83, Bre85, Bre88, Bre99, Bre00, BCG91, Che88, Cro92, DK82, DGB80, Del81, Fdi97, GB90, Gus78a, Gus78b, Gus84, Gus85, GS91, HP93, Har77, Hau88, Hom94, Hom98b, Hom99, Ise91, Ise94, JW88, Joh83, Kru99, Kza92, Kza99, Lem88, LP88, Lev91b, Lev91a, LP95, Lon81, Mat90a, Mat92, Mül93, Mül99, Now06, Ole96, Osa94, Pas92, Pas08, Pas10, Pas11, RdL01, Sch68, Sed90, SL83, SS98, Wen89, Wen01, DGB80]. **Accelerator** [MLS<sup>+</sup>18]. **accelerators** [Sid06]. **acceptability** [IP81]. **according** [Töl68]. **account** [Mit49]. **Accuracy** [AMM21, BBM84, BHK09, Gal85, GB68, Ike76, LDP93, Sal51b, Sch96, SF59, WMC21, Zag19, Bar81, Bar84b, Bra64, CC64, Gal86, Jab20, Krä88, Loe01, Sch80b, TB87, WMC18, Zag24b, Bra87, Rot71, von80, Mül90]. **Accurate**



[AM20, AFC10, ASA06, AM79, AM84a, Bee91, Bin68, CG24, 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<sup>+</sup>12, Zag17, ZOHR01, von84, AM12, AIS<sup>+</sup>17, BCK<sup>+</sup>93, Che16d, DMMM95, Di 86, GST11b, Lut95, Mit92, MN16, NP18a, PKS00, PN85, SZ77, SS10, SS23, Tan91a]. **Achieving** [BTDS11, Gal85, Gal86]. **Ackermann** [Sun71]. **Acknowledgment** [Wis48]. **ACL2** [Bor02]. **ACL2-2002** [Bor02]. **ACM** [ACM89, Joh87b, Koo91, Bre74, Bur74, Ful72, Gau64a, Gau73, GZ75, Hil70a, Hil70b, HD73, Hil73a, Kuk72a, LT71, Mer62, Mor64, Pom74, Rel63a, Wit68]. **ad** [Yun14]. **Ada** [ACM87, DPC95, Dri89, Dri91d, Dri91a, Dri91b, Dri91c, Mat87, Squ91c, Squ91a, Squ91d, Squ91b, Tan90c, Tan91a]. **Adaptive** [BM04, ZCL15, Was89]. **Add** [BDL09]. **addenda** [Luk56b]. **Addendum** [Fra81]. **adders** [CP99]. **Addition** [SS97b, SS99b, MC91]. **Additional** [LM93]. **Additions** [LJ13, ITY96]. **adds** [Bic81]. **Adelaide** [KK99]. **Ado** [Kah87]. **advance** [BMR04]. **Advanced** [Luk99, Ask75, CDS00]. **Advances** [CD08, IEE99, VK95]. **Aerospace** [Fet81a]. **afficionado** [BCR<sup>+</sup>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, QN18, Arm82, Fab02, Joh20c, Joh20d, Joh88, Ost54, Tre80]. **Algebraic** [ACM89, Bro07, FS96, Lak96, Ris79, SE11, Her82]. **algebraically** [Boy09]. **algebraically-converging** [Boy09]. **Algebras** [Var95, Hai60]. **ALGOL** [Tem79a, Wyn62, Chr62, Chr65, Frö63b]. **Algorithm** [ALMN05, ABJ19, Bai17, Bai93, BV85, BO93, Bic81, Bor19, Bor21a, Bor95b, Bre74, BDK<sup>+</sup>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, Bre19, BJ15, Bre78a, Bre80b, Bro89b, Bun09, Car72, CL94a, CO80, DMMM95, DAV12a, Dev12, EH89, Fdi97, Fet74, Flo61, Fuk83]. **algorithm** [GEK04, GST12b, Gon89, Gre82, GR19, 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, YA24, ZA14, ZLC04, AM20, Alh00a, ADW77a, Amo78, Amo83a, Amo83b, 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].

### **Algorithm**

[GST11a, GST14a, GRAST16, Goa95, Goa97, 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<sup>+</sup>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]. **Algorithms** [Bre78c]. **Algorithmic**

[Cra12b, Che81]. **Algorithms**

[Alh00b, Ano68, AH16, Bak75b, Bre80a, Bre06, Bre78c, CPCD19, CN81, CMW63, CH98, CHI<sup>+</sup>03, DeL70, Deu76, Eps75, EL94, FLR03, Fan89, Fat16, Fow93, GST12a, God20, Gra63b, Gus86, Has90, Hil73b, Int00, Int03a, Int03b, JSH<sup>+</sup>11, Knu98b, LF92, dL70, Luk77, The21, Mac89, Maj85, Mar72, Mar04a, MC87, MC90, Mil65, Mül90, Mul97, Nes84, Ng75, OS72, Pen81, Rus98, Sg92, Sor94, ST99, Tan91b, TBDS11, Tem94b, Ter81a, Tro84, Völ83, WG91, WG94b, Abe16, AIS<sup>+</sup>17, Bak73, Bak75a, Bol06, BST13, Bor21c, BJM22, BM80, Bre10, CL61, CO86, CHGM99, Cra12a, DAV12b, Egb77, EH16, EM03, GA08, Gor82, Har03, Kog89, Lit89, Luk99, Mat90b, MMH93, MC89, MM90b, Obe99, Olv80, Saw02, Sch93a, Sch93b, Sch95, Tan87, Yey92, Zag24b, Fri72].

**Algorithms** [IL07, MC87, MC90, Rix82, Tha62b]. **Algorithmus**

[Fil66, Rix82]. **algoritmo** [AN68]. **alike** [BCR<sup>+</sup>07]. **all-order** [KWY07b].

**Alley** [Hei96]. **Allgemeine** [Töl68]. **allgemeiner** [von80]. **already** [FKY86].

**Alternating** [Alb62, CRZ00]. **Alternative** [ES10]. **alternierenden** [Alb62].

**AMD** [IM99a, Obe99, Rus98, Rus99]. **AMD-K7** [Rus98]. **AMD-K7<sup>TM</sup>**

[Obe99]. **Amherst** [TT18]. **Among** [JMMW79, Ye17]. **amplitude** [Sal89].

**AMS** [DM08, Ric92]. **Amsterdam** [GST14b]. **analiz** [PS93]. **Analog**

[BH65, Bin68, Pre55, Rob55, HFS99]. **Analogue** [SR53]. **analogues** [GA08].

**Analyse** [CHG<sup>+</sup>11, Bre77]. **Analysis**

[Abe88, BSY82, Das94, FP68, IM99a, IP87, Mil58, Par99, Pri66, Pug04, SK11, SA00, Sle64, Sle78, Smi95, Tan91b, AGA<sup>+</sup>80, BCD<sup>+</sup>02, Bre77, Bre78b, CH78, CDJ<sup>+</sup>01, GST20, Has02, KW21, LP61, LP62, LČJ63, Mil75a, PS93, Ris79, SP61, Sob88, Tod54, Tod55, vRdL88]. **Analytic**

[BG84, BS98, DB13, Ric73, Tra76, TW80, Wal00, BS00, BL71, BR94, Cri82, Fer86, Kza92, LP95, Mül93, Sea84, Sko04, Ter79, Tra76]. **Analytical**

[Ano98a, Dar70, Fuk14a, GM04, How22, Sho60, CK89a, MWH<sup>+</sup>16, MWH<sup>+</sup>18, Van89, Hen77, Lov43, Lov89]. **Analytically** [IR08, LBC11]. **Analytische**



[Hen77]. **Ancient** [BB12, Yon70]. **Anger** [Olv67a]. **Angular** [TTW79, V<sup>+</sup>75, TTW84]. **ANL** [Kuk66]. **Ann** [IEE81a, IEE81b]. **Anniversary** [Gau94]. **announcement** [SSG<sup>+</sup>18]. **Annual** [Spr00, IEE89b, Koo91, Men06]. **Anomalous** [Gau77a]. **Answer** [Wal80]. **Antonio** [Koo91]. **any** [AG08]. **APMathLib** [ZOHR01]. **Appearing** [Squ70]. **Appell** [ABF<sup>+</sup>23, EG97, OSS09, TS76]. **Appendix** [Lov53]. **Appl** [Alz98, Ano84]. **Application** [AEF92, Hou81, IEE08, SF96, TBDS11, T<sup>+</sup>97, VDR05, Ask75, CB09, CD02, Cro92, EC79, Fab02, GS91, Hor17, LG79, LKF10, Luk56a, Luk56b, PB82, Sho86, ZXBZH01, Lef05]. **Application-Specific** [IEE08, T<sup>+</sup>97, VDR05]. **Applications** [AKS01, Ban01, BS79, Bor02, Bow53b, Bow61, Cor61, Flo15, Gre92, Gre59, Hol90, IK05, JKD92, Koe16, Kor02, Leb65, LKK19, MS68, Ng77, Sam02, SK11, SC01, Sid03, VS04, VS10, Wim81, XD18, AAS93, BB15, BB16, Buc69, CZ94, CZ95, CDS00, CMV69, AEF92, KS04, Leb72, MS67, NU88, OSS09, PT80, RM07, Ric92, SO89, TV09, Veb12, XC14, YC15, Ars62]. **Applied** [Car77b, ECSD20, HDG<sup>+</sup>15, MH08, Ano98b, GS91, TW80]. **Applying** [QN18]. **Approach** [BJG<sup>+</sup>00, BM15, Gal85, Har97b, Ike76, SA00, Tal68, Bre88, BCG91, FK88, Gal86, GS14c, JS89, Kre89, Lew94, LKF10, MWH<sup>+</sup>16, MWH<sup>+</sup>18, VPK99]. **approaches** [Wan16]. **Approximable** [AMM21]. **Approximants** [Bar74, GSS12, AGJ86, Bor88, DF78, Sab08, Zul25]. **Approximate** [Bee99, Lit93, Lit94, Mak80, Mar72, MLS<sup>+</sup>18, Mul20, OJL22, RX07, Via89, DK77]. **Approximating** [GW91, Ham78, Haw82, Jar12, Joh89, Lin89, NL94, QN18, SS99a, ZLA13, Boo55, BMST97, Epp89, HR05, HR07, KK96, MST89, Özb06, SLD16, Yey92]. **Approximation** [AJ03, Ach56, Ach92, ABJ19, BGV81, BM15, BM04, BR94, 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, Qua18, Sch99, SS97a, SF96, Sha85, SL81, SK11, Sim64, Sou57, Squ70, SS99b, VLCFSN<sup>+</sup>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]. **approximation** [Hor19, ITY97, JMS98, Kra85b, KSVW07, Lan59, Let96, LG79, LN22, Lor89, LSM14, LSM16, Mag94, Man23, 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<sup>+</sup>08, BF23, 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<sup>+</sup>68a, HCL<sup>+</sup>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].

**approximations** [Lit94, 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<sup>+</sup>03, ECSD20, HKST99, Int00, Int03a, Int03b, LP16, PEB04, PBLM08, RJM<sup>+</sup>20, CL94a, GIJL23, KP98, MMW91, MM91a, MS82, ZA14, MS94]. **Architectures** [IEE08, JSH<sup>+</sup>11, LP17b, LF92, T<sup>+</sup>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, SW50, TB87, Tur72, VC06b, YM97, Zak69, Zha96b, ZB97, de 77, dT93, T.57, Tho04]. **Arguments** [Arc43, Bur74, CP98, Fox54, Fox60, GB68, Gau65a, GT58, Jan77, Krä87, Raf70, RL80, Tho13, TM68, Wan78, Bar82b, Bar84a, Bat19, Bre19, Cai11, Cob69, CJR91, CJR92a, CJR92b, GST04b, GST15a, Joh12, Krä88, Mas83, Moo81, Moo84, SG98, TB86, VPK99, Wal84, ZA24, Zag24b, L.61]. **arise** [SL83]. **arising** [BG84, GST20, Har77, Ye17]. **ARITH** [BC01, BBdD17, CLT20, IEE05, IEE21, IEE22, IEE23, MSH<sup>+</sup>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<sup>+</sup>04, ES89, God20, Hul78, Hwa85, IEE78, IEE81a, IEE81b, IEE05, IEE13, IEE21, IEE22, IEE23, JF16, KM95, KK99, KM91, KM07, LMT97,



MSH<sup>+</sup>16, MTV15, OJL22, PL19, RJM<sup>+</sup>20, Sal76a, SO11, SOL81, Smi91, SIJ93, TBL19, Tan89b, Tan89a, Tan90e, Tan92, TT18, Ull90, Wyn62, XLW<sup>+</sup>20, von80, BG84, Bic81, BCK<sup>+</sup>93, CG24, Che71, CA00, Eps75, EMR82a, EMR82b, Flo61, GLM15, Hou81, HS20, HJZ23a, HJZ23b, HJZ<sup>+</sup>24, JM17, Joh20a, Joh20c, Joh20d, KMB94, LM00, LMOT01, MT72, MH72, PH90, RN96, Sal89, Sch93a, Sch93b, Smi01, Swa90, TRHH94, VCV01, dDM06, Atk79, HUY07].

**Arithmetic-Geometric** [BB84, Sal76a, MH72, Sal89]. **Arithmétique** [Ber84]. **Arizona** [DM08]. **ARL** [Fet81a]. **ARM** [BH07]. **Array** [Dav81, LA85, MK71, Maj72, CL95, LC97b]. **Arrays** [LE95, EM86, LE93]. **Arsenal** [Wyn62]. **Art** [IP87, MRH19, PTVF07, Toc63]. **articles** [Ban01]. **Artificial** [AGL93]. **ASAP** [VDR05]. **ASIC** [WMDM92]. **Asilomar** [LMT97, Sin95]. **Askey** [IA20, KS20]. **Aspect** [Cod67]. **Aspects** [AKS01, Gau67, Tem94a, Tem00, Tem07]. **Assessment** [Boi97]. **assistant** [BMZ06]. **Associated** [Ano60a, Bra73, BL45, Cle69, Fri72, Lew58, Lew81, SJ01, Wim62, AB93, Bre18, CB12, CM13a, CE15, Che15a, Che15b, Che16c, CV03, Fre05, GQ09, Sai89, SSG<sup>+</sup>18, SS65, SJ12, Wim72, Cob69].

**Asymptotic** [AS03, Bor10, BS78, CG85a, CG94, CE15, CS11, Cun62a, Din58, Din73, FO99, Kas80, KRT02, Kim72, Lóp00, ND19, Olv91, Sch64, Sle65, SZW11, SF87, Tem92, TV09, Tem15, Tho65, Wen07, Won73a, Won88, XHT16, XC17, YC15, ZZ11, AS05, Air37, Ano84, BB94, Che13b, CP15, Che15a, Che16e, CL16, Che16a, Che16c, CT16, CC17, DT09, DiD84, DGS18, EW63, FLMR00, Fet79, FF54, FF57, FW85, FKY86, GST03a, GST20, JW88, Kar01, KC11, LFM14, LW14, LSM15, Luk75a, Mac72, MP79, McC83, Mor11, Nem13, Par02a, Par02b, Par03, Par16, Sal83, SLH06, Tem75b, Tem78, Tem79b, Tem83c, Tem85, Tem00, TC01, Wen96, Won73b, Dop42, Sch80a, Sch68, Tri50].

**Asymptotical** [WCS16]. **Asymptotically** [Wan82, Hom98b]. **Asymptotics** [CTV96, CIM94, CV03, Har20, Mag94, Olv74, Wal96, Boe91, BBC08b, Che16b, FLO04, GG08, PW92, Tem83b, Tem86, Tem96b, Will12].

**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<sup>+</sup>11]. **August** [BL91, Bro07, Gau94, HY14, Mar85]. **Austin** [IEE13]. **Australia** [KK99, Lav80]. **auto** [PIH14]. **auto-vectorisable** [PIH14]. **autocorrection** [Lit93, Lit94]. **Automated** [Rev16]. **Automatic** [AK93, Bal00, Cah54, Che72, DeL70, Gra02, LM15a, dL70, MS82, Pie82, Pie84a, SZ70, SZ74, SZ76, VM19, 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<sup>+</sup>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<sup>+</sup>80]. **Bernoulli** [BH13, Che88, Fil92, Har14, HG64, KB67]. **Bernstein** [Bor82, Cri88, Hei88, Tim87, Whi82]. **Beruf** [Bar14]. **besonderer** [Völ83]. **Bessel** [Ano84, Bra70, Sko75a, Tho04, VRS<sup>+</sup>99, Wim72, AS97, Abr45, Air37, AJDG02, Amo74, ADW77a, ADW77b, Amo78, Amo86, Amo90, Amo95, Ano46, Ano48, Ano52, Ano60a, 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, Bre19, Bur74, Cai11, Cam79, Cam81, Cam84b, Cam84a, Cha82, CIM94, CY18, CP66, CMF77, Cod83, Col80, CM83, Col84, CU59, CV03, Cur64, DCL<sup>+</sup>92, DTLM98, Del79, Del84, DC81, ES99, EL01, Elb01, EM94, Fab02, Fat16, FS92, FMC82, Fox54, FO93, FKY86, Gab79, GKK00, GP64, GS81, Gau64a, Gau65b, GS78, GF97]. **Bessel** [GST02d, GST03a, GST04a, GST04b, 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, PB83, Pie84a]. **Bessel** [Pie84d, Pie84b, Pie84c, PA86, PT91a, PT91b, Puo88, Rap94, Rap01, Rap14, RdC93, RKZ<sup>+</sup>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<sup>+</sup>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, YA24, PH67]. **Beta-Function** [DJ67]. **Betrachtungen** [Rut63]. **Betriebssysteme** [Rot70b]. **Better** [BBD03, Wes05, BD02, LM00]. **Between** [BJG<sup>+</sup>99, Hin77, Lar69, Lef05, Car69, QL19]. **beyond** [Ars81]. **Bibliography** [Ein79, Ful80]. **Bickley** [Amo83a, 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<sup>+</sup>07, Hig93, RN96]. **binary64** [HJZ23a, HJZ23b, HJZ<sup>+</sup>24]. **binomial** [Kra95]. **Bipartite** [SS97a, SS99a]. **Birmingham** [IP87]. **BIT** [Frö63a, Kah87, RHMLL08, Ziv91, LN21, 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, Kö187, Kö190, L.61, 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, Ziv99]. **Boundary** [AO08, LL09, 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, Nem13, 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<sup>+</sup>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, Kö187, 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<sup>+</sup>16, MWH<sup>+</sup>18, Mou67, Mul85b, Pan59a, RL76, RS98, Sal89, Saw02, Sti53, Tak22, Tur43, VRS<sup>+</sup>95, VRS<sup>+</sup>99, Wei98, Zag24b, Köl87]. **Calculations** [DLM09, DPC95, GLT<sup>+</sup>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<sup>+</sup>16, Sin95]. **Cambridge** [IEE89c]. **Canada** [Bro07]. **Cancellation** [CM13b]. **cannot** [DGB82]. **Canonical** [Rap01].  
**capability** [Bic81, LMT<sup>+</sup>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, ABFP24, 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<sup>+</sup>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, SA00, SA05, CDS03]. **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, DH77, GST15b, SLD16, HP67, OW68]. **Chi-Square** [Rob69, DH77, 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]. **Clenshaw** [PB83]. **Clever** [Kah04]. **Close** [Har66]. **Closed** [GW71, Jan11a, Jan11b, RM07, XC15, CTV96, Dav88]. **Closed-Form** [Jan11b, Jan11a, RM07]. **cm** [L.61]. **CMOS** [HFS99, TRHH94]. **co** [DMS95, USE88]. **co-processor** [DMS95]. **Coaxial** [Kin21]. **Coconut** [AK09]. **Cod** [IEE05]. **Code** [BdDKL15, KL14, RdC93, SdCR97]. **Codes** [CJL10, 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, GIJL23]. **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<sup>+</sup>02, Cai11, CG24, Cam81, Cam84a, CL11, Car95, CA00, CM83, CJR91, CJR92a, CJR92b, CDJ<sup>+</sup>01, DGS24, EC13, FLO04, Fet81a, GST02b, GST02c, GS14a, GJL20, Gon52a, Gra61, HHR00, JM17, Joh20a, Joh12, JT85, Jür66, Köl84, Krä88]. **complex** [KRVZ98, KB86, LG79, Mas83, MY91, Moo81, Moo84, MH72, Mor78, Mor99, PS86, Rap01, Sca71, SK08, Squ91a, Squ91d, SW50, 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<sup>+</sup>98]. **Component** [vRdL88]. **compounding** [Leh71]. **Comprehensive** [AWH13c]. **Comput** [Alz98, Ano84, Tho04, VRS<sup>+</sup>99]. **Computation** [ACM89, AS95, ARH14, Aha69, AH10, Alh00b, Amo74, ALB98, BB16, Bal00, Bee91, Bee17, Boe62, BB84, BB97, BB00, BB04, Bre06, BH13, BL94, Bro07, CS19, Che70, Che72, CJL09, CMF77, CVV65, Cri89, DH76, DH77, DM86, DM88a, DiD90, DM92, Dre78, Dub83, DGS24, Ehr61, Ekl01, FLO04, Fil66, Fle68, Frö63b, Fuk14b, Fuk15a, Ful99, GI01, GSS12, Gau61, GST03a, GST12a, GST14a, GRAST16, Goa95, God01, HT13, HCK09, HKST99, Har09b, Has66, Hul78, JSH<sup>+</sup>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, Mül04, Nad15, NKY08, NPA16, ND70, Pea09, PB02, PEB04, PW90b, Rap94, Rob69]. **Computation** [RHMLL08, Rot70a, Rot71, Rus13, Sal76a, Sar59, Sch85, SE11, Spo94, Swe63, TAY91, Tem79a, Tra60, VVA09, Wen96, Woo92, XD18, YA24, ZJ96, AQ18, AGA<sup>+</sup>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, Gau63, GK70a, GS78, Gau94, Gau11, GST02b, GST02c, GST11b, GST15b, GST17, GS99, HHv<sup>+</sup>73, Hit74, JJW86, Joh15b, JT85, Kat78, Kon76, KB86, Las82, LKK19, LK73, Mar81, MNP83, Mer94, Miy19, Mul85a, Mul86, NP18b, Ng84, Pan59b, POP17, PB82, Pie82, PB83, Pie84a, Pie84d, Rap01, Sar60].

**computation** [SS10, SS23, Tem83a, Tem86, Tem87, Wim74, XL94, Zag24a, Zah94, Zha96b, BL91, LČJ63, Low49, Mül90, SR53, von84, Köl90].

**Computational** [BBC98, BBC00, BW00, Gau67, Gau75, Gau79b, Mil75b, Ng75, Qua18, Sun71, Tem94a, Wim82, 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<sup>+</sup>18, Win70].

**Computed** [Woj61, Yoh70, Che09].

**Computer** [AFI69, AFI71, Atk79, BH65, Bin68, BCDH09, BC01, BBdD17, CET62, CLT20, DeL70, Erc75, Erc77, ES89, Fat16, Fik68, HCL<sup>+</sup>68a, HCL<sup>+</sup>68b, Hwa85, IEE78, IEE81a, IEE81b, IEE89b, IEE89c, IEE05, IEE13, IEE21, IEE22, IEE23, JJ65, KB90, KM95, Kog57, Kog58b, Kog58a, Kog59, KK99, KM91, KM07, LMT97, dL70, Mar88, MSH<sup>+</sup>16, MTV15, PH90, PW76, Pre55, Pri66, QN18, SO11, Swa90, SIJ93, TBL19, Tan89b, TT18, Tra76, Ull90, Wah04, WWG51, WWG57, WWG82, von80, AGA<sup>+</sup>80, DSK83, DSK84, Fab02, GP84, Gus78a, Knu62b, Knu63, McC90, Pie84d].

**computer-oriented** [AGA<sup>+</sup>80].

**Computers** [Ano03, Ano06, CU59, Cus83, FBM04, Has55, Köl90, Mol83, Sin95, SA57, Sug58, Ber84, RW77, Tak00, Tri66].

**Computing** [AK93, API<sup>+</sup>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, Tho97b, Tho97a, TKK17, Van69, Vol59a, Vol59b, YM03, ZA11, Zag16, AIS<sup>+</sup>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, Vep08, XC15, Zen04, VC06a].

**Concept** [von80, Gon52b].

**Concerning** [Wre68, Arm82, CC17, SW88, Wre73].

**Concise** [PC11].

**condition** [HS83].

**conditional** [Fuk13a].

**Conditioning** [Ric65].

**conditions** [JW88].

**conduction** [CMV69].

**conductive** [RdL01].

**conductive-convective** [RdL01].

**Conference** [AFI69, AFI71, Ano03, Ano06, Ban01, BCD<sup>+</sup>20, Boi97, BCEP94, FBM04, Gre16, HY14, IEE89a, IEE85, IEE89c, IEE08, IP87, IL07, MMH89, MC87, MC90, Men06, Mil75a, MS94, Mul82, SKL93, Sin95, Spr00, T<sup>+</sup>97, USE88, VDR05, Wah04, ACM87, AGA<sup>+</sup>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, TAY91, AL20, Bau89, BY19, Blo88, BM80, CM13a, Che16a, Che16b, Fuk09b, Lu14, LSY15, Luk56a, Luk56b, MWH<sup>+</sup>16, MWH<sup>+</sup>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<sup>+</sup>14, Pas95]. **contained** [CC69]. **Containing** [NF63, Sch64, De 91, Las82, Lóp98, Mak65, Tem86]. **contemporary** [Ano98b]. **Contents** [Ful81b]. **Context** [FR98]. **contiguous** [Seg08]. **Continuation** [BS98, BS00, Mül93, Sko04]. **Continued** [Bar74, Bar82a, BS83, Che13a, CPV<sup>+</sup>08, Len76, Len90, Mor64, Pas03, She54, SB71, Smi95, Spi61, Wal00, 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, Mül99, Osa90, Osa94, Ovt03, Pas92, Pas03, Pas08, Sed90, Sel93, SF79, UE05, Wyn72, AL20, ABFP24, AGJ86, BD85, Bel90, BHJ05, Bre77, Bre78c, Bre78b, Bre83, Bre88, Bre99, BR94, 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, Mül93, Now06, Ole96, Ost37, Pas10, Pas11, PR04, PKP74]. **convergence** [RdL01, Sau93, Sch68, 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** [Mül99]. **Coprocessor** [KZ90, TVG00]. **Coq** [BMZ06, MDM16]. **CORDIC** [Mül90, Ekl01, HTHR94, Hit74, SR14, TAY91, VVA09, Vol59a, Vol59b, Völ83, ZCL15, MMM93]. **CORDIC-Algorithmen** [Mül90]. **Cornelius** [BCEP94]. **Corner** [Bli97]. **Corners** [Tho93]. **Correct** [LM03, SF16, FHL<sup>+</sup>07, Mul24]. **Correction** [BHK09, Yun14]. **Corrections** [DD08, Jan11a, WMC21, PC93]. **Correctly** [Bor21b, BJK<sup>+</sup>11, BHMZ24,



God20, Kah96, LA01, LM00, Ziv91, Ano14, BJM22, BMR04, CLZ04, HJZ23a, HJZ23b, HJZ<sup>+</sup>24, LMT98, LN21, LN22, SS93b, dDLM04].  
**Correctly-rounded** [BHMZ24, BJM22, HJZ23a, HJZ23b, HJZ<sup>+</sup>24].  
**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, TAY91, Tan90d, Tha61, Bak76, Har00, JL94, PKS00, Saf10]. **Cosines** [Pat18]. **Cost** [CL00, Dan82, XLW<sup>+</sup>20, BHMZ24, FLMR00]. **Cost/performance** [CL00].  
**CoStLy** [Neh07]. **Cotes** [Fre09]. **COULFG** [Bar82b, Bar84a]. **COULN** [NT84]. **Coulomb** [Abr64a, BDG<sup>+</sup>72, BDG<sup>+</sup>84, BFGS74, Bar76a, Bar76b, Bar81, Bar82b, Bar82a, Bar82c, Bar84a, BFGS84, 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]. **CptnHook** [PI16]. **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].  
**Cumulants** [FC60]. **Cumulative** [Gil16, Ham78, Pag77, Pom74, Pom76, BKKC09, GST15b, MRS18, Rev90, SE14, Wes05, Yun09]. **current** [BIS01, KK98, Liu95]. **Curtis** [PB83]. **curvature** [Ron86]. **Curve** [Che70, HJ67a, HJ67b, Hol70, Nor89, Sha85, Squ70, Ber68, Cho14, McC90].  
**Curves** [Sch85, Nis94]. **Cuts** [Kah82, Kah87, Sht19]. **Cutting** [Tho93].  
**Cylinder** [Dor66, Fox60, L61, 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<sup>+</sup>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<sup>+</sup>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** [Amo83b, 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<sup>+</sup>95, VRS<sup>+</sup>99]. **Deuffhard** [YA24]. **Deuxièmes** [AEF92]. **Develop** [ACG<sup>+</sup>87]. **Development** [CJL10, Lev73, PN85, Ypm95]. **developments** [Dop42, GST14b, Sch80a, Töl68]. **Deviate** [HD73]. **diagonal** [Kra89]. **dicembre** [Ano98b]. **Dictionary** [BCD<sup>+</sup>10]. **Difference** [FK19, LA85, Olv67a, CH78, Luk56a, Luk56b, OWS<sup>+</sup>14, Olv67b, QL19]. **differences** [MNP83]. **different** [Her71, KW21]. **Differentiable** [PS93, Pro87, Zie89]. **Differential** [BK16, AO08, Cas83, Cle69, Fri72, HBF09, IS90, Arm82, Dev12, EM94, FLO04, GST04b, 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, EL94, EM03, HSE<sup>+</sup>24, Kor05, LA01, PBLM08, Rus13, TBDS11, CA00, LKKH99, LE93, LP83, MC93, MC95, PKP74]. **Digit-by-Digit** [PBLM08, LP83]. **Digit-by-Rounding** [BTDS11, TBDS11]. **Digit-Recurrence** [ALMN05, EL94, EM03, LE93]. **Digital** [Ano22, Bow53a, CET62, CU59, Erc75, Erc77, Has55, IEE99, LMS99, Loz03, Maj85, MKY92, SA00, SA05, Sug58, 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** [JKK92, JMS98, Mul85a, Roc82, Sle78, Per85a, Rei86, Sch96, Tur72]. **Discussion** [BJK<sup>+</sup>11]. **Discussions** [Cah54, Ded26, Esc37, Kal34]. **dispersion** [CH78]. **displacement** [YH89]. **Distance** [Lef05]. **distributed**



[Tak00]. **distributed-memory** [Tak00]. **Distribution**  
 [Dor68, Gil16, Gup60, Ham78, HJ67b, Hil70a, Hil77, Lin09, Mac65, Mar04b, Mor80, PR82, PR96, Pom74, Pom76, Rob69, Sho02, Sho05, Tim87, VLCSFN<sup>+</sup>12, YBR11, Bad76, BKKC09, Cyv64, DH77, DC81, Fet79, FW84, Fuk14b, GST15b, HB75, KPPS08, Leh70, Mac68, MZM94, MRS18, Rev90, Sho86, Ved93, Wri84, Yun09, Hil81a, eL79]. **Distributions**  
 [FC60, JKK92, SZW11, Wan82, ZZ11]. **divergent** [Wen89, Wen96, Wen10].  
**Divide** [BH07, CH98, D<sup>+</sup>89, GBKK09, Int00, Int03a, PZ95, SL95, Wil70, ZG87, AGS99, BH01, CHGM99, Mat90b, MM92, Saw02, WMDM92].  
**Divide/Square** [SL95]. **divided** [MNP83]. **Divider** [XLW<sup>+</sup>20, LMT<sup>+</sup>92].  
**Divine** [Bat07]. **Division** [BR73, BC23, Bru22, CHI<sup>+</sup>03, CL94b, EL94, EIM<sup>+</sup>99, EIM<sup>+</sup>00, HSE<sup>+</sup>24, Int03b, IM99b, ITY95, JJ65, Kah99, KM97, Kor05, LM95, LA03, LF92, LD89, Mar04a, MIT<sup>+</sup>95, Nan11, PB02, PB08, RJM<sup>+</sup>20, Rus98, Sar59, SL97, Tra60, WG92, AHM<sup>+</sup>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<sup>+</sup>23, Ano14, GKK00, HHv<sup>+</sup>73, Hon71, MS87, Paw11, Ped03, Tem86, TE06, WG94a, dDLM04].  
**double-index** [GKK00]. **Double-Length** [SH72, HHv<sup>+</sup>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<sup>+</sup>99, BJG<sup>+</sup>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<sup>+</sup>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<sup>+</sup>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<sup>+</sup>17, Bor95b, BCE<sup>+</sup>08, BF23, CL94a, CVW06, DJ67, DZKK77, Flo15, Fow93, FR76, GST12a, GST17, GLT<sup>+</sup>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, WWG82, Har77, Tri66, WO15]. **electronic-structure** [Har77]. **Electrostatics** [Mul95]. **element** [LG79, Mon83]. **Elementaarsed** [Jür66]. **élémentaires** [Ber84, Laz85, Mul85b, Mul86]. **Elementare** [Töl43, Töl50]. **elementaren** [Rot71, Völ83]. **Elementarer** [Emd45, Emd48, Emd59, Fil66]. **èlementarnykh** [Bar72, DZKK77, LČJ63, LP83, PS93, Saa91]. **Elementary** [ACG<sup>+</sup>86, 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<sup>+</sup>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<sup>+</sup>87, AM78a, Ano14, Arm82, BKM94, Bak73, Bak75a, Bar72, BBD03, Ber84, BL71, Bor88, BCD<sup>+</sup>02, BD02, Bre75b, Bre76b, Bre10, Bro89b, Bro89a, Bro90, BJLP19, Car69, Car90, Che81, CA00, Cle54, Cod82, CDJ<sup>+</sup>01, Dan77, Das94, DMMM95, Dri91d, Dri91a, Dri91c, DM88b, DK77, DF78, DZKK77, Eps75, EC79, FLMR00, Fer86, Fog51, Gal86, GM84, Hai60, HHv<sup>+</sup>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<sup>+</sup>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, War60a, Wri73, ZC70, Ali11, Bat19, BZ92, Boy15, Bul65a, Bul65b, Bul69a, Bul69b, Car79, CG85a, Car91, Car95, CF00, Car05, Cri89, DCL<sup>+</sup>92, Eck77, Far69, FGG82, Fet81b, Fet81a, FI94, Fuk09a, Fuk09b, Fuk10, Fuk11, Fuk12, Fuk13a, Fuk13b, GMMIDM13, Gra02, Hay56, Her61d, Her61e, HvdR63].  
**elliptic** [Jef62, Köl97, Lan80, Lar66, Mey63, Mid75, MH72, Mor78, Mor99, MO18, Nis94, PDK96, Paw11, Sch76a, Sch77a, Tha63a, Tha63c, Tha63b, Töl67a, Töl67b, Töl69, Töl70, VM87, VPK99, Wac00, vdR63]. **Elliptical** [DiD90, Töl67a, Töl67b]. **elliptically** [Was89]. **Elliptische** [Töl67b, Töl67a].  
**elliptischen** [Töl69, Töl70]. **Eloquent** [Adl12]. **embedded** [Ste08].  
**Embedding** [von80]. **Emden** [Rut51]. **Emphasis** [BS98, Buc69]. **empirical** [Ruy89]. **Enabled** [LP16, LP17b, dDP10]. **enclosure** [Sch68]. **encoding** [ZXBZH01]. **Encyclopedia** [IA20, KS20, MS03]. **end** [Fet74]. **energies** [BS84, TR84]. **energy** [Bar84b, LVV05, NT84, Sea84, Sti88]. **engine** [CK89a, Lov43, Lov89]. **Engineering** [PC11, RW04, Wah04]. **Engineers** [Bel04, BF71, Lau95, Lau04, McL34, McL55, And98, Bar14, Bel68, Fet81b, Köl97, Sen67]. **England** [KM95]. **English** [AEF92, Hom96b]. **Enhanced** [BHK09, ZCL15, BR94]. **Enhancement** [Boi97]. **ensembles** [AEF92].  
**Entire** [BDG<sup>+</sup>72, BDG<sup>+</sup>84, Zal89]. **Entwicklungen** [Sch80a, Töl68].  
**Environment** [CJL10]. **environments** [ISO10]. **Episode** [Ful99]. **epsilon** [GS14c, HL13]. **Epstein** [AB93]. **Equal** [KP75]. **Equation** [Bra65, Cle69, Flo15, Fri72, Hom96a, Mil57, FLO04, GST04b, GS12, Mon83].  
**Equations** [AO08, Cas83, Cow64, FK19, HBF09, HBS00, Lir71, Olv67a, Ars68, BBB89, Boy14, EM94, Hor19, Luk56a, Luk56b, NS13, Olv67b, PS77, PS78, PS79].  
**Equator** [OMS09]. **Equianharmonic** [Sou57, T.57]. **equivalence** [Her71].  
**ERF** [HJ67b, Che09]. **ERFC** [Che09]. **erfinv** [Jar12]. **ergodic** [Kra89].  
**ERL** [GEK04]. **Erlang** [Whi63]. **Errata** [Ano60b, Ano84, Coh12, Luk56b, Fet81b, Fet81a, Köl97, Sha76]. **Erratum** [Amo78, Frö63a, LW63a, Szm13, Tho04, VRS<sup>+</sup>99, Wre73]. **erreurs** [Del81].  
**Error** [Alz10, ABJ19, Bai17, BS79, Bre83, Bre99, Car63, Car75, CCM11, CR68, Chr65, Cod69, Cod90, DJ62a, DD07, FCC73b, Fra78, Gau61, Gau64e, Gau69a, Har66, Has02, How22, Iac21, Jan11a, Jan11b, KP69, Köl87, KK20, Krä87, Kuk72a, Kuk72b, Lip21, LB09, MR71, Mil89, MM91b, Mül90, NSR10, Nem13, Olv88, Par02a, Plo01, PW90a, PW90b, Sal51a, Sho02, Str68, Tan91b, VM19, WD61, Woo67, Zag19, AQ18, Akr85, Bel90, BEJ76, BJ15, CST18, CD02, CDS03, Del81, EL08, FCC73a, Fet74, GK70a, GLM15, HJ67b, HR72,



JM17, Joh12, KW21, Köl72a, Kra98, Kra14, KT59, LS88, Lit93, Lit94, Mag94, Mat90a, McC74, Phi79, QXG18, RM07, Sal55, Sch78c, SK08, Van89, Wil96, Yun14, Zag24a, Zag24b, Zak69, Ziv99, vdLT84, Alb62, HJ67b]. **Error** [SZ70]. **Error-Like** [Köl87, vdLT84]. **Error-Optimized** [ABJ19]. **Errors** [Bra65, CJL09, KP75, Bor10, Wen07]. **ESF** [MS03]. **essays** [War08]. **essentially** [LP62]. **est** [Del81]. **estimate** [McC74]. **Estimates** [Fra78, Krä87, McC84, Ovt03, Per85b, Per87, QV96, BD85, Bre99, CG89, Che13a, Mar85]. **Estimation** [CKL89, Dem89, GK89a, Mat90a]. **Estimations** [Ele15]. **estimators** [LW89, Wan82, vR89]. **Estonian** [Jür66]. **ETAPS** [Bor02]. **étude** [Bre78c]. **Euclidean** [HH18]. **Eugene** [Tal68].

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

**Eulersche** [Bau89]. **European** [IEE89a]. **Evaluate** [WMBE14, McC77, SdCR97, SG99]. **Evaluating** [BCE<sup>+</sup>08, Dan82, Fik67b, KZ90, Lin79a, LS95, Mar04b, Wac00, Whi63, FLMR00, FGG82, NT84, Oli75, Mul82]. **Evaluation** [AM20, AMT78, AJMT81, ABJ19, Bar61, BSY82, Bre75a, Bre76a, BEM12, Bur74, CET62, CG02, CM13b, CR68, Cod90, CP79, DeL70, DM88b, Eis63, Erc72, Erc73, Erc75, Erc77, ECSD20, Far81, Fik67b, Fik68, Fra65a, Fra78, FR76, Ful80, GA08, Gau77b, Gau16, GST02d, GOST23, GJL20, Gla66, GW71, GN89, GBS19, GM04, Hay56, HS20, Jab94, JKMR11, JGB13, JF16, Knu62b, Knu98a, Kuk66, KR79, Lan60, LL72, Lin78, Lin79b, LW82, LB09, dL70, Mar72, Mar88, MTP82, MR65, MM88, Mot55a, Mot55b, NC66, OJL22, PS11, PW90a, Ric73, dLSGDR17, Sch78a, SG76, oKSAG79, ST74, SC71, SF87, SG72, Tak66, Tem75a, Tho66, Wan78, WOG95, Zag17, Zag19, Ziv91, ABF<sup>+</sup>23, BC79, BDGP13, BBC<sup>+</sup>14, Bar82a, Bar82c, BS06, BO75, BZ92, BBC08a, Bre18]. **evaluation** [Bre19, Bre75b, Bre76b, BHMZ24, Bun09, CY18, CGKZ05a, CGKZ05b, CLM88, CJR91, CJR92a, CJR92b, DF84, Di 86, Dor62, Dun90, DM88c, Ein79, EW63, Eve64, Fis73, FW85, GS81, GEK04, GST20, Gra63b, GR19, GM07, HF09, Has02, HR72, KW21, LVV05, LGML05, LO94a, LO94b, Mac97, MT72, MZM94, Max91, Mil89, MN16, NSU20, OGKY94, PKS00, Par09, Pas95, RW72, SGA81, SZ77, Smi89, Tem76, Wal84, WO15, Wen64, Wil71, WG94a, WG95, Zai93, Cun62a, Cun62b, Cun62c, Knu63, LDP93]. **Evaluations** [GS82b, Lav86]. **evaluator** [PBN93]. **Even** [ARH14]. **evolution** [Dev12, War08]. **Evolving** [PUHM12]. **Exact** [Lef05, Pom74, Pom76, dLSGDR17, Sau92, SS93a, BWKM91, CZ10]. **Exactly** [SS94]. **examine** [Wil96]. **Example** [Bol06, Plo96]. **Excellence** [Lid01, Lid02]. **Exception** [HFT94]. **Exchange** [ABJ19, SR81]. **Execution** [Bai93]. **Exercise** [BB12]. **Existence** [Som82, Wan74]. **existing** [FKY86]. **exp** [BBC08a]. **Expansion** [BH63, FO99, Kim72, Luk59, LC61, NDT69, PL19, Pie84c, Sch64, Tho65, Van69, Won73a, Won88, Wyn60, AS97, AS03, Ali11, CG85a, Dij77, Ehr89, Fet79, GST03a, GS14c, HL13, Kal04, KKY07a, KKY07b, LW14, MMV81, McC74, Nag01, NP18b, Nem13, Par02a, Par02b,



Par03, Par16, PHH08, Sch76a, Sch77a, Tem79b, Tem81, TC01, Won73b].  
**Expansions** [Boe69, Cod65b, Cur64, Din58, FW61, GHT03, Hom98a, Hum64, Lóp00, Olv91, SR53, She74, She76, Sle65, Tha61, Wim62, WR71, Woo67, AS05, BF92, Bor10, BJLP19, CE15, CP15, Che15a, Che16e, CL16, Che16a, Che16c, CT16, CC17, CM83, CB87, DiD84, 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]. **experiment** [PIH14].  
**Explanatory** [Ful81b]. **Explicit** [Buj75, McC84, RB75, GF97, Kra14, OG82]. **explicitly** [SE14]. **Exploring** [Sho02, SL97]. **Expm1** [Tan92]. **Exponent** [BHK09]. **Exponential** [AAHTH10, AS10, Bee99, CET62, Caw00, CLOT86, CT69, Cor61, Fri72, FK11, Gau59, GC64, Gau73, God20, HJ96, HA86, Kar84, Köl87, LP17b, LSZ08, Mil85, Ng70, OJL22, PS11, PEB04, Red70, Sch99, SMG94, Smi11, SZ74, SZ76, Sto41, Tan88, Tan89a, Tan90a, WLK11, Zuc64, BSW95, Bea60, Bor10, Bra84, BT99, Che71, CD02, CDS03, CLM88, CO80, CT68, DR04, Dri95, DR89, Fog51, GHT03, GEK04, Har00, Has02, Hit74, IP81, JMS98, Kan96, KSVW07, Luk56a, Luk56b, Mag94, MNP83, NP18a, Nem13, Ng84, Olv94, PBE03, RT61, Ran77, Sab08, SZ77, Sti53, WdZ04, XC14, XC15, dDP10, vdLT84, Her61b, Pac70].  
**Exponential-Type** [FK11]. **Exponentially** [Olv91, PW92].  
**Exponentially-improved** [PW92]. **Exponentials** [Che72, ZLA13].  
**Exponentialsummen** [Sti53]. **exponentiation** [CC69]. **Expression** [Cun62a]. **Expressions** [BFHT85, MDM16, Sho60, SF10]. **Extended** [CQSP04, SOL81, KPPS08, KA71]. **extended-precision** [KA71].  
**Extended-Range** [SOL81]. **extends** [GP84]. **Extension** [ARH14, BKdLSGL23, GZC22, Hea65, Rus88, Bul69a, Dav35, Ge89, Kai89].  
**Extensions** [Ein89, ISO10, Sle64, Ker83]. **Extracting** [Esc37, Pen81].  
**Extraction** [BR73, Lan42, MK71, Maj72, Mur88, Mur99, Sug58, BDGB83, GREL96, Hay99, Joh11]. **Extractor** [HAK91]. **extracts** [Fre81, Lov53].  
**Extrapolation** [Bre82a, BR91, GSS12, Sid03, Wal96, Bre80b, Håv79, Håv81, Saf10].  
**extreme** [YM03]. **Extremely** [TKK17].

**F** [Ars62, Coh12, Fet81b, Köl97, Leh83b, Szm13]. **Faber** [Ell83]. **Factor** [TAY91, Air37, Car91]. **Factorial** [BC18, Bor10, Fer07, Wen10].  
**Factorization** [JF16]. **Factors** [Car92, Din58, Sch84, CF00]. **Faddeeva** [Joh12]. **Faddeyeva** [Zag16, ZA11, Zag17]. **Fading** [LB09, SK11, SA00, SA05, CDS03]. **Failure** [KI04, Wan82]. **Faithfully** [GLT<sup>+</sup>15]. **Fall** [AFI69]. **Familiar** [BB88]. **Families** [AS10, FW13]. **family** [NS13]. **Fast** [AM20, Ahr96, Ano12, Bee99, BY19, BS06, Bor21c, BB84, BZ92, BB97, BB00, BB04, Bre75a, Bre76a, Bre06, BH13, Caw00, CH89a, CH89b, CJL09, Fuk09a, Fuk09b, Fuk10, Fuk15a, GST11b, GLR07, Gus86, HT13, Har09b, Hei96, HJ96, HMO19, ITY95, JGB13, Joh14b, JF16, JM18, KB90, KP98, Mar05, MWH<sup>+</sup>16, MWH<sup>+</sup>18, NP18a, RW72, Rol87, Sch99,



Sor94, Tak22, Tro84, WMC21, WG91, WG94a, WG94b, WG95, Ziv91, Bak76, Bun09, Bur82, Cra06, DMMM95, Fuk11, Fuk13a, Fuk15d, Fuk15b, Fuk15c, GEK04, Has00b, HJZ23a, HJZ23b, HJZ<sup>+</sup>24, Lyo91, Mar03, Mit92, OGWY94, PKS00, Phi79, PIH14, Sch96, Tan90b, Tom00, WMC18, Zim00, ZA14].

**Fast-Start** [Mar05]. **Faster** [Bow53a, Fil92, LKK19, DM91]. **fatigue** [Sob88]. **Favard** [GS82a]. **Feasibility** [Dun90, Via89]. **February** [Koo91]. **feedforward** [HSW89]. **Fehlerabschätzungen** [Krä87]. **fehlerhaften** [Bra65]. **Fehlerschranken** [Alb62]. **Fejér** [Mag94, VT11]. **Fermi** [CT67a, MN16, BDM81, CT67b, Din58, Fer86, Frö63b, Fuk14a, Fuk14b, Fuk15d, Fuk15b, Fuk15c, GOST23, Goa95, Let01, WR63]. **festschrift** [Zah94]. **Fibonacci** [RS98]. **Field** [LE95, Ngu98, Ehr89, LE93, OSS09, Töl69, Töl70]. **Fields** [ARH14, HCK09, Mül04, Sch85, KCYL06]. **Fifteenth** [Plo96]. **Fifteenth-Century** [Plo96]. **Fifth** [Ded26, SC01]. **Filter** [MKY92]. **find** [Che81, LG79, NS13]. **Finding** [AMM21, CH70a, Bre75b, Bre76b, Jam89, KI04, Lyo91, Vai89]. **Finite** [BM15, Bus74, HCK09, Lew69, Mül04, Sch85, Fog51, Hai60, KCYL06, LG79, LU96, Mon83, OWS<sup>+</sup>14]. **First** [Ban01, Bar10a, Bea58, Bra70, Car77a, Cod83, DH59, ES99, FL67, FK11, Gau64a, Jab94, LW63a, LW63b, Pie84c, Ree90, Sko75a, Van69, Vel11, BL96, BZ92, Boy15, CG85a, Cha82, Cob69, CV03, DAV12a, DAV12b, Fet81a, Fuk10, Gau65b, Her61d, HvdR63, ISK87, IS88, LW96, LU96, Mor99, Sca71, SG99, Tha63c, Wal84, YM97, Zai93].

**First-Order** [FK11]. **Fisher** [Ano60b]. **fits** [Ran77]. **Fitting** [Sto41, BCG91, Phi79]. **Five** [MW83]. **Five-Function** [MW83]. **Fixed** [HHR00, IP17, MLS<sup>+</sup>18, dDIS13, dDI15, LBdDM16, Vav89]. **Fixed-Point** [IP17, MLS<sup>+</sup>18, dDI15, dDIS13, LBdDM16]. **FL** [Lip21]. **Fleshing** [MS16]. **Flexible** [IP17]. **Floating** [AAH10, Bli97, Bra87, CH98, D<sup>+</sup>89, DHL<sup>+</sup>04, GB91, Has90, Hul78, JKMR11, JMMW79, Kah80, KMB94, LP16, LP17a, LP17b, LM15a, LD89, MMNP91, Obe99, Rev16, Rus98, Sch88b, Smi91, Ste08, Tan89a, Tan90e, Tan92, WS05b, dDP10, dDLM11, BBC<sup>+</sup>91, BWKM91, BCK<sup>+</sup>93, Bol06, BMR04, CG24, CHGM99, FHL<sup>+</sup>07, GLM15, Hou81, HS20, JM17, Kra98, Kul07, LBdDM16, LKH93, LC97a, LMOT01, LN21, MT72, Mat90b, OY91, OJ04, PKS00, Rus99, SF93b, Smi01, SL97, Ste89, TE06, TRHH94, VCV01, WN03, dDM06]. **Floating-Point** [AAH10, Bli97, Bra87, CH98, DHL<sup>+</sup>04, Has90, Hul78, JKMR11, JMMW79, Kah80, LP16, LP17b, LM15a, LD89, MMNP91, Rev16, Smi91, Tan89a, Tan90e, Tan92, WS05b, dDLM11, dDP10, BBC<sup>+</sup>91, BCK<sup>+</sup>93, Bol06, BMR04, CG24, CHGM99, FHL<sup>+</sup>07, GLM15, Hou81, HS20, JM17, Kra98, LBdDM16, LKH93, LMOT01, MT72, OY91, OJ04, PKS00, SF93b, Smi01, SL97, Ste89, TRHH94, VCV01, WN03, dDM06]. **Florida** [Men06, Ric92]. **floos** [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, dLMF23, 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, Jef95, Jef00, Jef04, JD08, 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** [WB78, Wan80, DG99, HH18, Amo83a, Amo83b, Bai93, Cod93b, DM87, HKA93, KDDH92, Kuk66, KA71, Sca71, Smi91, WB78, BD14, CZ10, Col80, Col84, DG99, EC13, GST02b, GST02c, GST12b, GN89, KDDH94, Mil04, NSU20, SSG<sup>+</sup>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, Sch96, SP61, Sle64, Sle78]. **Fourth** [Atk79]. **Fox** [L.61, MM95]. **FPGA** [DR04, TVG00]. **FPGA-based** [DR04]. **FPGAs** [IP17, LP16, LP17a, LP17b, LC97a, PLT23, WN03, dDP10, dDIS13]. **FPU** [AHM<sup>+</sup>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<sup>+</sup>08, Len76, Mor64, Pas03, SB71, Wal00, 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<sup>+</sup>98, Bol06, LKKH99, Spr00]. **Function** [AS95, AM20, Ahm89, AAHTH10, Amo83b, AK09, AWH13b, Bai17, Bak92b, BTT16, Bar61, BY07, BJG<sup>+</sup>99, Bee17, BM15, BBM84, BH18, BP67, BS79, Bor95b, BBC98, BBC00, BCE<sup>+</sup>08, BEM12, BI86, CET62, Car63, Car75, Caw00, CCM11, CM13b,



CR68, Chi20, CH67, Cod69, CST73, Cod75, Cod93b, Col78, Cus83, Dav59, Dav64, DHL<sup>+</sup>04, DJ62b, DJ62a, DJ67, DM86, DM87, DM88a, DiD90, DM92, DD08, Eck76, Ekl01, ES99, ECSD20, FLR03, FCC73b, Fik67b, FK11, Ful72, Ful77, GB68, GZC22, Gau61, Gau64e, Gau69a, Gau77b, Gau16, GST02d, GST12a, GST14a, GRAST16, Gil16, GZ75, Gla66, God20, GBS19, Gus86, HP62, Har97b, Har98, Har09b, Har66, HG64, Hea65, Her61f, Her61a, HJ96, Hil77, How22, HA86, Hum64, Iac21, IP17, IR08, Jan11a, Jan11b, Jar12].

**Function** [JKD92, Joh21, 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<sup>+</sup>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].

**Function** [Zag19, dDLM11, AJ03, AS97, AS03, AQ18, Ali11, Alz93, Alz97a, Alz97c, Alz98, AR99, Alz03, Alz08, Alz10, ABF<sup>+</sup>23, AG08, AM78a, AB93, BC79, Bad76, BB15, BSW95, BGV81, BS00, BP01, BEJ76, Boe91, BS06, BF92, BST13, BO75, BZ92, Bor95a, Bos89, BS78, Bra84, BCJV18, Bra64, Bre75b, Bre76b, BHMZ24, 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, DAV12a, Del79, Del84, Dev12, DB13, DH76, DiD84, DC81, Dri95, Dun90, Dut84, Eck77, EG97, EL08, Ele15, Eps75, EMR82a, FW13, FNC75, FLS06, Fet63, FCC73a, Fet74].

**function** [Fis73, FK75, For97, FW80, Fra81, FW84, Fre09, Frö63b, Fuk15d, GA08, GP64, Gau64d, GS78, GS88, GK89a, GST03a, GST11a, GST11b, GST12b, GST15a, GLP98, GL01, Goe14, Gon52b, GR19, GP84, GQ09, HXX22, Har20, Har01, HF09, HHR00, Her61c, HJ67b, HJZ23a, HJZ23b, HJZ<sup>+</sup>24, 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].

**function** [Mer05, MM88, Mit49, Miy19, Moo81, Moo84, Mor11, Mor14, MS15, Mul01, Mul06, Nag01, Nag04, Nem13, ND19, OY91, OSS09, Pak18, Pal98, PDK96, PW92, Par02a, Par02b, Par03, Par72, Ped03, Per85b, Per87, Phi60, Phi79, PUHM12, Pie82, PB83, Pie84a, PHH08, Pit67, Pow88, Pré10, Puo88, Qil4, QM15, RL76, Ron86, Rza12, Sab08, Sal89, Sal55, Sch88a, Sch80a, SK08,



SLH06, Sho86, Sko04, Sko05, SE14, SW50, 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, YA24, YM97, Yun14, Zag24a, Zak69, ZB95, Zha95, ZB97, ZLA13, Ziv99, vdLT84, Hol69].

**Function** [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<sup>+</sup>86, AO08, AMM21, Alh00b, AFC10, AGL93, Amo73, ADW77a, ADW77b, Amo78, Amo83a, Amo86, Amo90, Amo95, AVV92, ASA06, AMT78, AJMT81, AAR99, Ano46, Ano48, Ano52, Ano60a, Ano74, Ano22, Ant64, AH16, Arc43, AM77, AWH13a, Arn77, Ars62, AKS01, Bak75b, Bak92a, Bal00, BDG<sup>+</sup>72, Bar10a, Bar10b, BA44, BD99, BJG<sup>+</sup>00, Bat07, BKdLSGL23, BSY82, Bea58, Bee99, Bel04, BCD<sup>+</sup>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, BLP24, BF23, BdDKL15, BGVHN99, Bur63, Bur64, Bur74, Bus76, Cam84b, Car70a, CG55, Car70b, Car77b, CP98, CD08, CHG<sup>+</sup>11, CMW63, CLOT86, CH70a, CP70, Cod71]. **Functions**

[CMF77, CW80, Cod83, Cod90, Cod91, Cod93a, CU59, Cur64, CVW06, CPV<sup>+</sup>08, CBBV10, D<sup>+</sup>89, Dav64, Dav81, DeL70, DGA18, Deu76, Din58, Div79, Dop42, Dor66, Dri89, DM88b, DD07, Eck80, Emd40, Emd45, Emd48, Emd59, Erc72, Erc73, Erc75, Erc87, ELMT00, FO99, Fab04, Far81, Fat16, FK19, FB91, FW61, Fie65, Fik68, Fil66, Fla57, Fle68, Fow93, Fox54, Fox60, Fra78, Fra65b, Frö55, Frö61, Frö63a, Fuk15a, Ful80, Gal85, GI01, Gau64a, GC64, Gau65a, Gau66b, Gau75, Gau79a, Gau79b, Gau99, Gel51, GST03b, GKS04, GST07a, GLR07, GT58, GT59, GCP67, GN89, Gre92, Gre59, Gun67, GM04, HKST99, HBF09, HJ67b, Hin77, Hit57, Hoc71, Hoc86, Hol90, HKA93, Hul78, HFT94, Ike75, Ike76, IK05, IA20, Jab94, Jan77, JGB13, Joh14b, Joh15a].

**Functions** [Joh19, Joh20b, Kah82, Kah87, Ken14, Ken21, KB90, KKI67, Kin24, Kin07, Kod08, Kod11, Kog66, Köl87, Köl90, KS20, KZ90, Kor02, Krä87, KL14, L.61, LaF54, LK21, Lar69, Lau73, LM15a, Leb65, LM03, Len76, Lew58, Lew81, Lew69, Lew75, LDP93, LKL02, Lin78, Lin79b, Lir71, LJ13, Low64, LO93, Loz94, Loz96a, Loz96b, Loz97a, Loz97b, Loz00, Luk59, LC61, Luk64, Luk69a, Luk69b, Luk71a, Luk71b, Luk72, Luk75b, Luk77, LASC95, LCY65, Mac65, Mar72, MDM16, MC87, Mas75, MH08, Mat87, MR71, MS68, McC02, MTP82, McL34, McL55, Mec66, Mec68, Mey01, Mil64, Mil65, MT64b, Mor64, Mos72, Mos89, Mü190, Mul97, Mul20, Nad15, NS09, NKY08, Nas74, NPA16, Nav83, NDT69, ND70, Obe64, OJL22, OTY91, OMS09, Olv64, Olv67a, Olv74, OLBC10]. **Functions**

[Osi13, Pai19, PL19, PS05, Pie84c, PP12, Pot14, PT91a, PT91b, Pri75, PGA18, QN18, Qua18, Rai60, Rap94, Rap14, RS81, RL80, Rev16, 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, Tho97b, Tho97a, Tho13, TS76, VS04, VS10, V<sup>+</sup>75, VB04, Var95, VVA09, Vel11, Ver67, VK95]. **Functions**

[Vla02, Völ83, Vos73, Wan74, Wan78, WG89, Wat66, Wat95, Whi63, Wig67, Wil96, Wim62, Wim68, Woj61, WR71, Wyn60, XD18, Yos97, Zag16, ZS64, ZJ96, Ziv91, Zuc64, von80, von84, AS97, AS05, Abr45, Ada98, ACG<sup>+</sup>87, Air37, AJDG02, Alh00a, AIS<sup>+</sup>17, API<sup>+</sup>19, Alz97b, Amo74, ABFP24, And98, Ano93, Ano98a, Ano14, AM78b, AM79, AM84a, AM84c, AM84b, Arm82, Ars81, Ars68, AN68, Ask75, BDGP13, BDGP14, BC09, BBC<sup>+</sup>14, BKM94, Bak73, Bak75a, BL96, Ban01, BDM81, BDG<sup>+</sup>84, Bar72, BFGS74, Bar81, Bar82b, Bar82a, Bar84a, BFGS84, Bar84b, Bat19, BW10, BS13, BBD03, BB82, Bel68, BS84, Ben98, Ber84, BG84, Ber01, BPT76, Bla74, BEJ78, BL71, BHJ05, Boo55, Bor88, BBC08a, BS83, BCD<sup>+</sup>02, BD02, BPD81, Bre18, Bre19, Bre10, Bro89b].

#### **functions**

[Bro89a, Bro90, BR94, Büh92, Büh03, BJLP19, Bul65a, Bul65b, Bul69b, Bun09, Bus74, BIS01, BK16, Cai11, Cam79, Cam81, Cam84a, CL11, Car69, Car05, Car90, Car82, Cer07, CKT07, Cha82, CZ94, CZ95, CQSP04, Che71, Che81, CKL89, CIM94, Che11, CB12, CE15, CP15, Che15b, CA00, Che09, CH78, Cle54, CP66, Cob69, Coc65, CDS00, Coh12, CCV11, CJR91, CJR92a, CJR92b, CDJ<sup>+</sup>01, CV03, Cri89, Dam94, Dan77, Das94, DMS95, DCL<sup>+</sup>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].

#### **functions**

[FO93, FH62, Fre05, Fre09, FKY86, Fuk09a, Fuk09b, Fuk13a, Fuk13b, Gab79, Gal86, GKK00, GAZK03, GS81, Gau63, Gau64b, Gau64c, Gau65b, Gau69b, Gau77a, Gau98, Gau02, GHT03, GG08, Gau11, GS82a, GEK04, GRS87, GF97, GST02b, GST02c, GST02a, GST04a, GST06a, GST06b, GS12, GS14a, GST14b, GST15b, GF88, GJL20, GL83, GR92, GM84, Gla74, Gon52a, Gon52b, Gra61, GS14c, GM88, GK89b, GQ09, GM07, HTHR94, Hai60, Har08, HB75, HHv<sup>+</sup>73, 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, KWWY07a, KWWY07b, Kan96, Kas80, KT00, KV03, Koe16, Kog60, Köl69a].

**functions** [Köl69b, Köl69c, Kon76, KS88, Krä88, Kra14, KRVZ98, Kra85a, Kra85b, Kui52, Kul07, KB86, KI16, Kyr74, Kza92, Laf86, LS88, Laf91, LM93, LP61, LP62, Lan80, LR74, Laz85, Leb72, 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, 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, Mul24, MO18, Nag68, Nag01, NR15, NP18b, Neh07]. **functions** [Nes84, New84, Ng68, NU88, Nis84, Nis94, NT84, Nør50, Nør55, O'B80, OWS<sup>+</sup>14, OGWY94, OG82, Olv80, ÖE16, PDK96, Par09, Par16, Paw11, Pea09, POP17, Ped03, PSS03, Pei63, PS77, PS78, PS79, PB82, Pie84d, Pie84b, PA86, PIH14, PI16, PKP74, PNV01, PT80, PS93, Pro87, Pro88, PBM86a, PBM86b, PBM92, QGG10, QXG18, QL19, Ran77, Rap01, RdC93, RKZ<sup>+</sup>14, RL76, RM07, Ric92, Ric88, Ris79, Rit25, RX07, Rus88, RDK98, KR86, Saa91, Saf10, Sai89, dLSG18, Sal76b, Sau93, Sca71, Sch76a, Sch77a, SSG<sup>+</sup>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]. **functions** [SZW11, SJ12, Sti53, SMCH41, Sun88, Sun15, TTW84, TR84, Tem75b, Tem78, Tem79b, Tem81, Tem83b, Tem87, Tem94a, Tem96b, Tem00, Tem07, TV09, Ter79, Ter81a, Tes69, TB86, TB87, Tho04, Tim87, Tka03, Töl43, Töl50, Töl66, Töl67b, Töl67a, Töl68, Töl69, Töl70, Tre80, TW80, Tri66, Tur72, Ubh89, VC06a, Vep08, Vil88, VM87, VRS<sup>+</sup>95, VPK99, Wac00, Wal84, Wal71, WCS16, War60b, Wat90, WS84, Wen07, Wen09, Wes05, Will12, Wil71, WBR82, Wim72, Wim82, Win70, WG94a, WG95, XLX<sup>+</sup>83, XL94, XC14, XC15, Ye17, YM03, Yun09, ZA11, Zag24b, ZZ96, Zai93, Zal89, ZSA86, Zha96a, Zha96b, ZS08, Zhu10, Zie89, Zul25, Zwi87, de 77, dDM06, dDP10, dDIS13, dT93, vdLT84, Her82, Loz03, Tha62b, Sne63, Uni49, Köl87, VRS<sup>+</sup>99, Wim72]. **Fundamentals** [AGA<sup>+</sup>80]. **FunGrim** [Joh20b]. **Funktionen** [Fil66, Mei64, Rot71, Sne63, Sti53, Töl43, Töl66, Töl67b, Töl67a, Töl68, Töl69, Töl70, Völ83, Emd40, Emd45, Emd48, Emd59, Töl50, Töl66, Töl67a]. **Funktionenlehre** [Töl43, Töl50, Töl66, Töl67b, Töl67a, Töl68, Töl69, Töl70]. **funktsii** [PT80, PS93, PS93, LČJ63]. **funktsioonid** [Jür66]. **funktsioonide** [Jür66]. **funktsiü** [LP83, Bar72, PS93]. **funktsiü**. [DZKK77]. **funktsiüs** [Saa91]. **FUNPACK** [Cod75]. **Funtionen** [Töl69, Töl70]. **funzioni** [AN68]. **Further** [GAZK03, GR92, JJW86, Laf84, Luk70]. **Fused** [BDL09, RJM<sup>+</sup>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, Dav59, Dav64, DM86, DM87, Din58, Dop42, Ful72, GB68, Gau79a, Gau79b, Gau99, GST12a, GRAFT16, God01, Gup60, 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, DF84,



DH76, DiD84, FW13, Fis73, FW80, Fra81, FW84, GA08, Gau98, GHT03].

**gamma**

[GST15b, GLP98, GL01, GR19, GQ09, 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, Nem13, ND19, ÖE16, Pal98, PW92, Par02a, Par02b, Par03, Par16, Ped03, Phi79, Qi14, Sch88a, Sch80a, Smi01, SW50, Tem75b, Tem79b, Tem87, Tem94a, Tem96b, Ter79, TW80, Tri50, VC06b, Wan16, Wri84, XHT16, YC15, vdLT84, AWH13b, Bra64, CS11, CC64, Gau64b, Har97a, Her61c, Tho13].

**gamma-functions** [Mah30]. **gamma-ray** [Phi79]. **GammaCHI** [GST15b].

**Gammafuncties** [Dop42]. **Gammafunktion** [Sch80a, Tri50].

**Gammafunktionen** [Mah30]. **Gappa** [dDLM11]. **Gate** [LE95, LE93].

**Gatteschi** [GG08]. **Gauss**

[Dav35, Fer07, FLS06, Fet65, Gau02, Gau16, HT13, Har20, HJ67b, Ibb63, JM18, KWY07a, Kza99, KP03, LW95, LT13, Nad15, POP17, Yun14, ZZ11].

**Gaussian** [DD08, Jan11a, Akr85, BTT16, BS00, Bre74, CCM11, CB09, CPG12, Dev12, DB13, Düm10, Fre09, Hay56, IR08, Jan11b, KL07, Kza92, LBC11, MJ13, PUHM12, SK11, Sun15, Ter81a, WCS16, Wen01, WLK11].

**Gautschi** [Zah94, Alz03, GLP98, Ker83]. **gcd** [BY19, Por20, Sor94, WTM05].

**Gebiet** [Töl69, Töl70]. **gems** [mH12]. **genauer** [von84]. **Genauigkeit**

[Rot71, von80]. **General** [Bre82a, Erc75, Erc77, GW91, Kog89, Mil57, Mos72, von80, BD85, Bre80b, Fdi97, Fuk83, FI94, Fuk11, Fuk14b, Gon52b, Gus78b, HR07, LFM14, Mid75, SZ77, Sun15, Töl68, Wen01]. **Generalised**

[Bar74, Ver67, NSU20, Par03]. **generalization**

[Dij77, EM94, Pal98, Paw11, Rac82]. **Generalizations** [Dor62]. **Generalized**

[AM20, AJDG02, AS54, Bar10a, Bar10b, Büh92, BS98, Bur64, Car70a, CZ94, Che70, CLOT86, DTLM98, DJ62a, Fie65, Gom89, Håv79, HP62, LC87, Mil85, Min70, Ovt03, Sch16, Sla66, Sle64, Sri70, Vel11, Vla02, WD61, Ali11, Ano84, BS11, BK16, CZ95, CTV96, CLM88, CH78, DCL<sup>+</sup>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, WCS16, Wil12, MN16].

**Generated** [AK09, LSM14, MS03, dLSG18]. **Generating** [DCL<sup>+</sup>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<sup>+</sup>83].

**Generator** [KL14, AM78a, Bak76, Bre74, HXX22, War75]. **Generators**

[BdDKL15, AHM<sup>+</sup>98]. **generazione** [AN68]. **Generic** [Dri89, Tan88,

Tan90c, Dri91a, Dri91b, Dri91c, Squ91a, Squ91d, Squ91b, Tan91a]. **Genetic**

[LK21, PUHM12, Tan87]. **gentle** [BS13]. **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<sup>+</sup>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<sup>+</sup>99, EIM<sup>+</sup>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<sup>+</sup>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** [Var95, VK95, CK88, Töl67b, Die80]. **Grove** [Sin95]. **Growth** [QVV98, Bos89]. **guaranteed** [Loe01, PR04]. **Guide** [AWH13c, BA44, LFB60, Tho97a]. **Guidebook** [Tho97b]. **Gumbel** [Gom89]. **Gupta** [Ano60b]. **Gurland** [Mer05].

**H** [Ano84, T.57]. **Hadamard** [Par09]. **Half** [DJ67, Gau16, Kah04, Lir71, Sau92, Di 86, Fuk10, Fuk15b, Gau94, GJL20, KWW07a, NR15, SG98]. **half-century** [Gau94]. **Half-Integer** [DJ67, Sau92, Di 86, SG98]. **half-integral** [NR15]. **Half-Range** [Gau16]. **half/integer** [KWW07a]. **Hall** [Lip21]. **Hall/CRC** [Lip21]. **Halley** [LLK14, NS13]. **Halley-like** [NS13]. **Hamiltonian** [Fei78]. **Hand** [Der77]. **Handbook** [AS64, Bak92b, Bee17, BL02, BF71, CPV<sup>+</sup>08, Fet81b, Jef95, Jef00, Jef04, JD08, Loz97b, LCY65, OLCB10, PR82, PR96, PC11, RW04, 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<sup>+</sup>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, FC60, Bos89, DGS24]. **Hawaii** [MS94, Spr00, Spr00]. **hazard** [Ruy89]. **heat** [CMV69]. **Held** [Mul82, AGA<sup>+</sup>80, HUY07, IP87, Mar85, MC87, MC90, Ric92, SKL93, Tra76, Ull90]. **Help** [Car74, Wen96]. **HEP** [PIH14]. **Her** [L.61]. **hereditary** [Roc82]. **Hermite** [Bun09, Dri95, Fat16, Gau16, KSVW07, Nem13, 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<sup>+</sup>11, Joh14b, KK96,



KM93, KM97, LM95, LN21, LMT<sup>+</sup>92, Maj85, MMW91, NP18b, Par09,  
 PEB02, PB02, POMB05, RGK72, Sal51b, SW99b, Sch93a, Sch93b, Sei99,  
 SF59, SC71, SA57, SG72, VLCSFN<sup>+</sup>12, WMDM92, XLX<sup>+</sup>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<sup>+</sup>83, BM80, Gau11, Joh15b].  
**High-Radix** [CL94b, PEB02, Sch93a, Sch93b, PBE03, SF93b]. **High-Speed**  
 [JSH<sup>+</sup>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** [Dav59, Ypm95]. **History**  
 [Ful99, Dut84, War08, Wen09]. **Hitachi** [WOG95]. **HIZ** [GST02c]. **hoc**  
 [Yun14]. **Hochgenaue** [Bra87, Mül90]. **HOL** [AAHTH10]. **Holdred** [Ful99].  
**Holiday** [IEE85]. **Hong** [DIW00]. **honour** [AEF92]. **honor**  
 [AEF92, Zah94]. **Horner** [CG24, CG02, Dor62, Ful99, GIJL23, 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, Var95, Ver67, Wim68, Yos97, AS97, AS03, ABF<sup>+</sup>23,  
 ABFP24, AG08, BS00, BS06, Buc69, Büh87, Büh92, Büh03, BJLP19, BK16,  
 CR08, CQSP04, CGKZ05a, CGKZ05b, CCV11, DT09, DGS18, Dut84, Fer07,  
 FLS06, For97, GAZK03, Gau02, GST07b, GS14c, Har20, HUY07, HL13,  
 Joh16, Jon70, Kal04, KWW07a, KWW07b, KW21, KT00, KRT02, Kra95,  
 Kyr74, Lav86, Lew85, Lew87, LP95, Lew44, LT13, Mul01, Nag01, Nag04,  
 NP18b, OSS09, Pas95, Pea09, POP17, PBN93, Rel63c, Seg08, Sko04].  
**hypergeometric**  
 [Sko05, Sla60, SZW11, Tem78, Tem81, Tem83a, TC01, Uni49, Ver77, WCS16,  
 Wen01, Wil12, Zei91, ZZ11, Zul25, BK16, Rel63b, Ric92].  
**hypergeometric-Bessel** [KRT02]. **Hypersingular** [Sam02].  
**hypersurfaces** [Sti88]. **Hypervirial** [FMC82]. **hypot** [Bor19, Bor21a].  
**hypotenuse** [Bor21c, Ziv99]. **Hypothesis** [BCR<sup>+</sup>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<sup>+</sup>87, ACG<sup>+</sup>86, ACG<sup>+</sup>87, Fik66, Gel51, Mar90, WB78, Wan80, ZOHR01].

**ICCD** [IEE89c]. **ICEEC'04** [Wah04]. **ICMS**  
[FvdHJT10, Gre16, BCD<sup>+</sup>20, HY14]. **ideas** [Ano98b]. **identification**  
[Roc82]. **identities** [XC14, Zei91]. **Identity**  
[Gla71, Wri73, EC79, GMMIDM13, Mim88]. **IEC** [ISO10]. **IEEE**  
[BCDH09, BC01, BBdD17, CLT20, IEE05, IEE13, IEE21, IEE22, IEE23, KM07, MSH<sup>+</sup>16, MTV15, SO11, TBL19, VDR05, AHM<sup>+</sup>98, AAHTH10, BT99, CH98, DR04, GB91, Hou81, IEE85, IEE89c, IEE99, Int03b, Kah80, KK99, KM91, LMT97, LSZ08, LD89, Rus98, Tan89a, Tan90e, Tan92, T<sup>+</sup>97].

**IEEE-754** [AHM<sup>+</sup>98, AAHTH10, BT99, DR04]. **IFIP** [Boi97, Lav80]. **ihre**  
[Mei64]. **II** [BL91, MC90, WB78, Ano52, Ben83, Bul65b, CG89, CKT07, Cuy94, Dun87b, Eck77, EMR82b, KSVW07, LP61, Luk71b, Mil65, Ovt03, Pro87, RL76, Sch68, Sne63, SZ74, VB81]. **iii**  
[L.61, Ano60a, Bul69b, Din58, Dun88, LP62, Lov53, Luk72, SZ76]. **IIPBF**  
[RKZ<sup>+</sup>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, BLP24, CVW06, DMS95, DHL<sup>+</sup>04, EL89a, GBKK09, HH18, IM99a, Jef17, Joh15a, Joh87a, KNS95, LA01, LP17a, LM15a, LC97a, LE95, Mul97, Nav83, PP12, Sht19, SMG94, SL97, SDP11, Tak00, Tan88, Tan89a, Tan90e, Tan92, VM19, Zai93, dDLM11, von80, DR04, Has00b, Joh14a, Joh87b, LKKH99, LO95, LE93, MC89, Neh07, Obe99, Tom00, VT11, ZXBZH01].

**Implementation-Oriented** [PP12]. **Implementations**  
[EL94, PB08, SL95, Tan90d, XLW<sup>+</sup>20, dDI15, CL00, 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, Wan80, LLK14, Nem13].

**Improvements** [Tru11, Zag16, PS86]. **Improving**  
[Chl11, EIM<sup>+</sup>99, EIM<sup>+</sup>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, DH76, DiD84, DK90, Fis73, FI94, Fuk09b, Fuk10, Fuk13b, Gau98, GHT03, GR19, GM07, HF09, Hay56, JJW86, Jam16, JT85, Mah30, Mar86, MM98, ND19, ÖE16, Par02a, Par02b, Par03, Par16, Sch80a, SS10, SS23, Tem75b, Tem79b, Tem87, Tem94a, Tem96b, Ter79, Ter81b, TW80, Tri50, VC06b, YA24, 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, CD08, 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<sup>+</sup>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** [Wan78, Wen01]. **insertion** [OJ04].

**Instantiation** [PLT23]. **institutions** [BL71]. **Instruction** [GZC22, PW76].

**Instructions** [GBKK09, IM99a]. **Integer** [Alh00b, BO93, Cat85, Cat86, Cre98, D<sup>+</sup>89, Der77, DJ67, Fox54, Has90, Hei96, JF16, MRH19, ND70, OLHA95, Olv64, Rev16, Rol87, Sau92, Soo73a, Soo73b, Alh00a, AM78b, AM79, AM84a, AM84b, Di 86, FNC75, Fuk15b, GLM15, Hig93, KWY07a, KWY07b, Lyo91, Pro83, Sca71, SG98, WTM05, dT93].

**integers** [QW06]. **Integrable** [PS93]. **Integral** [Ano93, Cad51, Car75, Che70, Chr65, CT69, CP79, Cor61, Cun62b, Cun62c, Dav59, Dre78, Fet67, Fra65a, Fri72, GC64, Gau16, GW71, Gla71, Gla79, Goa95, HP67, HJ67a, HJ67b, Hil73b, Ism77, KC76, Mec68, MR65, Mer62, NF63, Ng70, Olv91, Pac70, PS11, Qi14, Raf70, Red70, Rei69, RL80, Ryb89, Sch78a, She54, Sko78, Smi11, Squ70, SZ74, VLCSFN<sup>+</sup>12, War60a, WR63, Wri73, eL76, AQ18, Act74, Bea60, BB82, Ber68, Boy15, Bry02, CG85a, Car05, CS11, CT68, CPT70, Dij77, DK90, Fet81a, FKY86, Fuk10, Fuk11, Fuk14b, Fuk15d, Fuk15b, Fuk15c, Gau59, GHT03, GOST23, GMMIDM13, Gra61, Has02, Her61d, Her61e, Kuz15, Lar66, Lee92, Let97, Mar95, Max91, McC74, Mid75, NR15, NP18a, OW68, Olv94, Pak18, Pól49, RT61, RKZ<sup>+</sup>14]. **integral** [Sun15, Tem86, Tha63c, Tha63b, Töl67b, Van89, WR96, Zag24a, Zag24b, HP85, Hol70]. **Integrale** [Töl68]. **Integralgruppen** [Töl67b]. **Integrals** [AVV90, AVV92, BH63, Boe61, BF71, Car77a, CN81, Car87, Car88, Car89, Car92, CG94, Car99, CR68, Cod65a, Cod65b, Cod66, Cun62a, Cur64, DH59, Din58, DR94a, DR94b, Ehr61, FL67, Fet65, FC64, Fle68, Fre05, Fuk15a, Gau61, Gau64e, Gau73, Gau77b, Gla66, GRJZ07, Gra63a, Jef95, Jef00, Jef04, JD08, KKI67, Kin24, Kin07, Köl87, KK20, Lan60, LW63a, LW63b, Lew69,



LDP93, Lin72, Lóp00, LG64, Luk64, Luk68, Luk70, MT64a, NC66, PT90, PBM86a, PBM86b, PBM92, QV96, QVV98, Ric73, Sam02, ST07, Sch64, Sch15, Sid95, Sny93, Sny96, SZ76, Tem15, Tho65, Tho66, Töl67a, Van69, WKG66, Woo67, ZC70, Act74, And00, BC79, Bat19, BO75, BZ92, BBC08a, BS11, Bul65a, Bul65b, Bul69a, Bul69b, Car79, Car91, Car95, CLM88].

### **integrals**

[Chr62, CT67a, CT67b, Deh89, EW63, Far69, FGG82, FMC82, Fet81b, FF54, FF57, FI94, Fuk09a, Fuk09b, Fuk12, Fuk13b, Fuk14a, Gab79, GP64, Gau11, GST20, Gla74, Gra63b, Gra64, Gra02, Har00, Hay56, HvdR63, Jef62, KT00, KRT02, Kö197, Lan80, Las82, LW82, LK73, LS95, Mac72, Mak65, Mey63, Mim88, MH72, Mor78, Mor99, Ném65, PDK96, Pie82, PB83, Pie84a, Puo88, Saf10, Sai89, Sch88a, SZ77, SJ12, Tem83b, Tem83c, Tem85, Ter81a, Tha63a, Töl68, VC06a, Won73b, ZA24, vdr63, vdlT84, MN16, Sny21, Lip21].

### **integrands** [CF00]. **integrated** [DM88b]. **Integration**

[Bro99, Car99, Cas83, CK89b, Dav88, LO93, Pro88, BGV81, Bro89b, EM86, Hay56, Mos69, Pro87, Ter79]. **Integriruemye** [PS93]. **Integro** [Mil85].

### **Integro-Exponential** [Mil85]. **Intel** [ASA06, CHI<sup>+</sup>03]. **Intelligence**

[AGL93]. **interact** [Wen09]. **Interactions** [BJG<sup>+</sup>99]. **Intercalation**

[Wyn72]. **Interest** [Koo91]. **interfaces** [ISO10]. **interference** [Dem89].

**Interior** [Meg89b, KMY89]. **Interior-Point** [Meg89b]. **Interlacing** [Seg08].

### **internals** [SF93b]. **International**

[ACM89, AGL93, Ano91, BCD<sup>+</sup>20, Bor02, BCEP94, Bro07, FvdHJT10, Gre16, HY14, IEE89c, IEE08, IL07, Lak96, MC90, MS94, SE11, SC01, Spr00, TT18, T<sup>+</sup>97, VDR05, Wah04, ACM87, DIW00, RDK98]. **interpolate** [IP81].

**Interpolation** [Bre82a, Fat16, Sti53, VB04, WEX14, BSW95, Blo88, Cau22, FK88, GRS87, Håv81, PDK96, RT89]. **Interpolator** [POMB05].

### **interpretation** [Din73]. **Interpretations** [Yos97]. **Interval**

[BSY82, CG02, DLM09, Krä87, PLT23, Rot70a, Yoh73, Ge89, Joh20a, Kai89, Krä88, Mar81, dDM06]. **Intervallargumente** [Krä87]. **Intervalle** [Bra87].

**Intervals** [Bra87, KP75, EMR82b, Shi93]. **INTLIB** [KDDH92, KDDH94].

### **Intrinsic** [BJG<sup>+</sup>99, BD99, BJG<sup>+</sup>00, Sht19, Mil89]. **Introduction**

[Bow53b, Bow58, Bow61, Dri91d, Hol90, PP12, SG02b, Tem96a, Tka03, BS13, MC04, NU88, Ars62]. **Inverse**

[AH16, Car63, DM86, DM87, ELMT00, Gil16, Ham78, Hom96a, HMO19, Krä87, Krä88, KNS95, LaF54, Lin90, Mar05, MS68, Pag77, PB02, Sal53, SW99b, Sol69, Str68, Tha61, WMC21, ZA14, Ano12, BPT76, BEJ76, Boy15, DAV12a, Dom03, Fet74, Fuk15d, HTHR94, Kre89, Lin89, MZM94, MWH<sup>+</sup>16, MWH<sup>+</sup>18, PDK96, Rev90, Sho86, VPK99, WMC18, Krä87].

### **Inverse-Square-Root** [KNS95]. **Inverses**

[Sal51b, Sch84, Car05, Rit25, Wac00]. **Inversion**

[GST12a, Por20, Tem92, BY19, GST15b]. **invertible** [SE14, Ved93].

### **investigate** [PI16]. **Investigation** [Mak65]. **inviscid** [Joh83]. **involved**

[Bel58]. **Involving** [BFHT85, Gla66, Lew69, Ric68, Sri70, UE05, WR71, BB82, DT09, FMC82, FO93, Gab79, GMMIDM13, LW82, LK73, LS95, Ng68,



PS77, PS79, QGG10, XC14, XC15, Zhu10]. **Inzell** [zCFF05]. **Irish** [Mil75a]. **Irregular** [SG72, Wen01, Bar81, Bar82c, Nes84, SSG<sup>+</sup>18]. **ISBN** [Lip21]. **isn't** [Wil96]. **ISO/IEC** [ISO10]. **ISSAC** [ACM89, Lak96, SE11]. **issue** [T.57]. **issues** [BH01]. **Istanbul** [HUY07]. **Italia** [RS98]. **Italian** [AN68, RS98]. **Italy** [AGL93, CDS00, RS98]. **Itanium** [CHI<sup>+</sup>03, Int00, Int03a, Int03b, LMOT01, Mar03]. **Iterated** [Amo73, Tha61, Deh89, GLM15]. **Iteration** [Alb62, BB89, Bra65, CL11, LC87, Nin70, WS05b, Aab54, Che71, DD76, Epp89, MC93, MC95, PS86, PR04, Rut63, Tuk48]. **Iterations** [Gar75, Gar79, Gar80, HHR00, SS98]. **Iterationsbeschleunigung** [Bra65]. **Iterationsfolge** [Alb62]. **Iterationsfolgen** [Bra65]. **Iterative** [CH98, Eve63, Hom96a, Joh89, KNS95, Plo96, RGK72, GA08, Har49, Hom98b, ITY96, Jam89, KK96, Kru99, KI04, ZXBZH01]. **IV** [WB78, Dun94a, Dun94b, Sle64, WB78, Wan80]. **IX** [Luk99]. **izbytochnykh** [LP83].

**J** [ACG<sup>+</sup>87, Alz98, Fet81a]. **J.** [Ano84]. **Jack** [Ric92]. **Jackson** [CK88]. **Jacobi** [Ali11, DCL<sup>+</sup>92, HT13, HvdR63, Mey01, PDK96, Paw11, Sko75b, Spe72, WV20, Wit68, Ye17]. **Jacobi-elliptic** [DCL<sup>+</sup>92]. **Jacobi-fractions** [Spe72]. **Jacobian** [Bat19, Car05, Fuk09a, Fuk09b, Fuk13a, Hol90, Lan80, MT64b, MO18, PDK96, Sal89, Sch76a, Sch77a, Töl67b, Töl67a, VPK99]. **Jacobische** [Töl67b, Töl67a]. **January** [Mul82, Spr00]. **Japan** [Ano91, FvdHJT10, Lav80, TBL19]. **Japanese** [OGWY94]. **Java** [Lau04]. **JBESS** [ADW77a, ADW77b, Amo78]. **Jensen** [Fre09, WLK11]. **Jersey** [AFI71]. **Jim** [Bli97]. **job** [Bar14]. **Jodhpur** [Ban01]. **Joint** [AFI69, AFI71, AGL93, IP87]. **Jonathan** [Bre17]. **Jonquiere** [FK75]. **Jordan** [Zhu10]. **Jose** [SE11]. **journées** [AEF92]. **July** [Ano06, BCD<sup>+</sup>20, Boi97, Bro07, BBdD17, Gre16, IEE08, IL07, KM95, Lak96, LMT97, Luk99, Mar85, MC87, MC90, MSH<sup>+</sup>16, SO11, SIJ93, T<sup>+</sup>97, VDR05]. **June** [AGA<sup>+</sup>80, BCDH09, BC01, CLT20, Cow77, DIW00, HUY07, Hwa85, IEE05, IEE21, KM91, KM07, MTV15, SE11, SIJ93, TBL19, TT18].

**K.** [Rut51]. **K5** [LASC95, Rus99]. **K6** [IM99a]. **K6-2** [IM99a]. **K7** [Rus98]. **K7<sup>TM</sup>** [Obe99]. **Kāshū** [Aab54]. **Kōbe** [FvdHJT10]. **Kōriyama** [SO89]. **Kapteyn** [DTLM98]. **Karatsuba** [Zim99]. **Kaufman** [AEF92]. **Kaufmann** [AEF92]. **Kelvin** [Bur63]. **kernel** [WO15]. **kernels** [Mus87]. **Kershaw** [GLP98]. **Key** [AFC10]. **Kiev** [Köl90]. **Kind** [Bar10a, Boe61, Car77a, Car87, Car88, CMF77, Cod83, DH59, Fet65, Fra65a, Gau64a, GST02d, Jab94, Mec66, PS05, Sko75a, Tem75a, Vel11, War60a, ZC70, BL96, BZ92, Boy15, Bul69a, Cob69, CV03, Fet81a, Fuk10, Fuk11, Gau65b, GST03a, Gla74, Her61d, Her61e, HvdR63, Lar66, Mid75, PDK96, Sca71, SG99, Tak22, Tem76, Tha63c, WC90, Wen96, YM97, YM03, Zai93, Bra70]. **Kinds** [FL67, LW63a, LW63b, Van69, Mor99]. **Kingdom** [Boi97, IEE89a]. **kink** [Paw11]. **Klein** [Bar84b]. **Known** [FC60, BMR04]. **Koecher** [Bau89].



**Koechers** [Bau89]. **Koeffizienten** [Bra65]. **Kohlrausch** [ZLA13].  
**Kolmogorov** [Pom76, Pom74]. **Komlos** [Ein89]. **Kompleksmuutuja**  
 [Jür66]. **komplexe** [Bra87, Krä87]. **Komplexen** [Töl67b]. **Kong** [DIW00].  
**Konstante** [Bau89]. **Konstanten** [Sti53]. **Konvergenz** [Ost37].  
**konvergenzbeschleunigenden** [Sch68]. **Konvergenzbeschleunigung**  
 [Alb62]. **Konvergenzverbesserung** [Hom96b]. **Korea** [HY14]. **Korotkov**  
 [Lip21]. **Kryachko** [Har01]. **Kummer** [Gau77a, GST15a]. **Kuramoto**  
 [AGH89]. **Kutta** [Cas83]. **kvadratrodén** [Ped80]. **Kyoto** [TBL19].

**L.** [L.61]. **Laan** [Köl87]. **Lab** [Fet81a]. **Laboratory** [L.61, Low49].  
**Lagrange** [Blo88]. **Laguerre**  
 [Air37, BBC08b, CIM94, DGA18, DGS18, GST17, GM84, Kza99, PGA18].  
**Lambert** [Gau11, Goe14, JHC96, Jef17, Joh20a, MS16, Miy19, Pak18, Veb12].  
**Lanczos** [BCEP94, God01, Pug04]. **land** [Ars81]. **language** [Che81].  
**languages** [ISO10]. **Laplace** [Fab02, Gus85, Lee92, Tem83c, Tem85]. **Large**  
 [Bin68, Cur64, Fox54, Fox60, GT58, HJ67b, L.61, NPA16, TKK17, Wan78,  
 Won73a, FLS06, Gau59, GOST23, GF88, Har20, Jon06, Mas83, O'B80, RX07,  
 Tem78, Tem94a, Zha96b]. **Larger** [Gau65a, Jan77, de 77]. **Last** [Ziv91].  
**Latency** [ALMN05, Bru22, PB08, SR14]. **Lattice** [SLZ05, Har77].  
**Lauricella** [BK16]. **law** [Deh89, Pak18]. **layer** [Bel89]. **layout** [SR81].  
**Leaky** [Har97b, Har98, Har01, Har08, PHH08]. **Learning**  
 [OJL22, BL71, Lit89]. **Least** [DB13, Sto41, Rei86]. **Lebesgue** [Blo88, Bos89].  
**Lecture** [Mil58, HUY07]. **Lectures** [Tal68, Tri66, zCFF05]. **Legendre**  
 [Jan77, Töl67a, Bra73, Bre18, BL45, Cob69, Gau65a, HT13, HS20, JM18,  
 LW95, Lew69, SSG<sup>+</sup>18, SOL81, Ste64a]. **Legendresche** [Töl67a].  
**lemniscatic** [Eck77]. **Length** [SH72, HHv<sup>+</sup>73, Hon71, von84]. **Leonhard**  
 [Dav59]. **Lerch** [GS88]. **Less** [Bak92a]. **Letter**  
 [Cat86, Cod67, Fik67a, Kin65, Knu63, McC90, Rev90, Swa65]. **Letters**  
 [Rah01, WTA<sup>+</sup>90]. **Leuven** [IEE08, KV03]. **level** [BJM22]. **libcerf** [Ano15].  
**Libcint** [Sun15]. **Libm** [Ano14, LMOT01, dDEG05]. **Libraries**  
 [IEE99, MMNP91, WB78, Wan80, dLMF23, Kuk71, LKK19, LN21]. **Library**  
 [AK09, Ano22, Bee17, BLP24, DLM09, FHS77, GB91, Joh20b, KDDH92,  
 KDDH94, Kuk66, Lau95, Lau04, LMS99, Loz03, The21, McC02, Mor75,  
 Mor81, Mor90, Mor93, PW76, Sch76b, Sch77b, Sch88b, SP20, TGC89, Tho87,  
 WWG82, ZOHR01, Ano14, CTA22, FHL<sup>+</sup>07, KA71, LMOT01, Mar03, Mor84,  
 Neh07, PIH14, Sun15, Wil96, DG99, ISO10]. **Lie**  
 [Die80, CK88, Mil68, Var95, VK95]. **Like** [Köl87, Ngu98, NS13, vdLT84].  
**likelihood** [Gom89, vR89]. **Limit** [Hin77, JW88, Lem88, LW89, RX07].  
**limited** [EM03, LP62]. **Limits** [CM13a, Gon52b]. **Line**  
 [BH18, Erc78, OE82, SMG94, Boe91, DHM89, Frö63a, PBE03]. **Linear**  
 [DGS65, Jam81, KP75, LB90, Ng77, Olv67a, Olv88, SF79, YH89, Ano67,  
 BDGB83, CG89, Die80, Ge89, Gon89, Joh20c, Joh20d, Joh88, KMY89, Lev73,  
 Lev91a, Lit89, Luk56a, Luk56b, Meg89a, Olv67b, PS05, Tan90b, Via89,  
 Was89, vR89]. **linear-threshold** [Lit89]. **Linearized** [HBS00, Ehr89]. **lines**



[BF92]. **link** [Wil96]. **Linux** [IBM05]. **Lipschitz** [DK90, Som82]. **Literature** [Pri66]. **LNS** [DMS95]. **local** [Kee82]. **locally** [Vai89]. **Locating** [PNV01]. **Log** [MJ13, OTY91, BS11, Har97a]. **Log-Depth** [OTY91]. **log-Gamma** [Har97a]. **Log-quadratic** [MJ13]. **log-sine** [BS11]. **Logarithm** [AS10, CH67, CVV65, Cus83, Has66, Kah04, Kar84, Kir88, Köl72c, LP16, LP17b, Lin09, LA85, LC87, Mac89, MW83, PEB04, Rev16, SK71, SMG94, Tan90a, Tan90e, AM12, Che71, Deh89, Epp89, Köl84, Per85a, PEB02, dDLM04, PH66]. **Logarithmic** [CET62, CLOT86, KP69, SF79, XD18, CS83, GEK04, Hit74, Joh20c, Joh20d, Lit89, QL19, Sed90, Sko04, Fog51, Zuc64]. **Logarithmically** [Osa90, DGB82, GQ09, Hom99]. **Logarithms** [Che72, Mar72, Car72, LBdDM16]. **Logic** [Cow64, LA85, PL19, Sch73]. **Logistic** [Lin90, BKKC09]. **Lommel** [Boe62, FS92, Zul25]. **London** [BBdD17, L.61]. **Lookahead** [KNS95]. **Lookup** [GBS19, dLSGDR17, SS97b, Tan91b, Par99]. **loop** [Dam94, Mim88]. **LORIA** [Ano06]. **Loss** [Zag19, DAV12a, DAV12b]. **Lost** [Car74]. **Lösung** [Die83, Rut51]. **Love** [Yos97]. **Low** [AH10, ALMN05, Bru22, Car75, HFS99, NL99, RHMLL08, SR14, KP98, MI97]. **Low-Complexity** [RHMLL08]. **Low-Latency** [Bru22]. **Low-Order** [Car75]. **Low-power** [NL99, KP98]. **Lower** [Tro84, WLK11, Bel89, CPG12, Fre09, Töl43]. **lower-bounds-to-circuit-size** [Bel89]. **LSFBTR** [Tal83, Tal84]. **LSI** [Atk79]. **Lubbock** [IEE85]. **Luigi** [GG08]. **Lyon** [Ano03, MTV15].

**M** [Fet81b, Köl87, Köl97]. **MA** [TT18]. **Macdonald** [FLR03]. **Machine** [BF23, Lan42, OJL22, Sch76b, AOB64, Bar81, Bel89, GB90]. **Machine-Efficient** [BF23]. **Machinery** [Cah54]. **Machines** [Bow53a, Gus86, Lin57, Rot70a]. **Macrocell** [BH07, AHM<sup>+</sup>98]. **MAD** [BBC<sup>+</sup>91]. **Madelung** [CB87]. **Madison** [Ask75, Lan59]. **Magic** [HMO19, MWH<sup>+</sup>16, MWH<sup>+</sup>18]. **Magma** [ES10]. **magnitude** [Zha96b]. **Magnus** [Coh12, Szm13, Wig67]. **Majesty** [L.61]. **major** [SL97, Ein89]. **Make** [Wil96]. **man** [Ped80]. **manifold** [AGH89]. **manipulation** [Kra95]. **Manipulative** [Sun71]. **Mantissa** [von84]. **Mantissenlänge** [von84]. **Manual** [CW80, Ful81b, Ful81a]. **Many** [Sal53, Sle64, KW21]. **MAPLE** [Qua18, ES10, Zei91]. **mapping** [ZA14]. **March** [Ask75, Ban01, IEE85, Koo91, Men06, MT85, MT86, Ric92, SKL93]. **Marcum** [FK11, GST14a, LKF10, SF10]. **Markov** [Rac82, Whi82]. **Martingale** [RT89]. **Maryland** [IEE99]. **Mascheroni** [CM13a, Che16a, Che16b, Chl11, XC17]. **Massachusetts** [ACM87, IEE89c, IEE05]. **massively** [BBC<sup>+</sup>91]. **massively-parallel** [BBC<sup>+</sup>91]. **Matematicheskii analiz** [LČJ63]. **matematicheskii** [PS93]. **Math** [Alz98, ASA06, Ano84, BLP24, Fra81, Joh87b, Kuk66, Lew87, MMNP91, McC02, Per87, Sha76, Wil96, Wim72, CTA22, LN21]. **MathCW** [Bee17]. **Mathematica** [ABFP24, BK16, ES10, Kra95, Tho97b, Tho97a]. **Mathematica-based** [BK16]. **Mathematical**



[AS64, And82, Ano22, Arf85, AW01, AW05, AWH13c, Arn77, Bak92b, Bee17, BCD<sup>+</sup>10, BCD<sup>+</sup>20, BL02, BF23, BdDKL15, CHG<sup>+</sup>11, DHL<sup>+</sup>04, ES10, Fik68, FHS77, FvdHJT10, Ful80, GB91, GS14b, HBF09, Hoc71, Hoc86, HY14, Jef95, Jef00, Jef04, JD08, JS56, JS99, Kuk71, KL14, L.61, LFB60, LČJ63, Loz97b, LMS99, Loz03, Luk75b, Luk77, Meg89b, Mol83, Mor75, Mos89, Mul82, OLBC10, Osi13, RW77, Rap14, Ric71, SP20, Sne56, Sne61, Sne80, SS70, Szm13, Tem96a, Tho97b, Tho97a, WB78, Wan80, WNO94, Wig67, Ziv91, ZOHR01, Zwi03, dLMF23, Ars68, BBC<sup>+</sup>14, Bar14, CC17, Coh12, Her82, Hoc61, ISO10, KRVZ98, Kul07, KI16, MO49, MOS66, NU88, PIH14, PI16, PS93, QXG18, Sne63, FvdHJT10, Gre16, IBM05, Sne63].

**Mathematical-Function** [Bee17]. **Mathematician** [Bat07]. **mathematicians** [Hay99, Wen09]. **Mathematics** [Ask75, BB12, Bir54, BDL<sup>+</sup>01, Car77b, DG99, FR98, HDG<sup>+</sup>15, Mor81, Mor90, Mor93, Mur88, PC11, RW04, And98, Ano98b, BL71, Gau94, Joh11, Mor84, Mur99, Gau94]. **Mathematische** [Sne63]. **mathematischen** [Sne63]. **mathematischer** [Bar14]. **Mathieu** [Alh00b, Alh00a, BC62, Bla64, Cle69, EC13, Fri72, RL80]. **Maths** [LK21]. **MATLAB** [Bat19, ES10, API<sup>+</sup>19, Zen04, RKZ<sup>+</sup>14]. **Matrices** [Leh96, HHR00]. **Matrix** [AH16, Ike76, AIS<sup>+</sup>17, API<sup>+</sup>19, CS19, HHR00, Kru99, Miy19, Ng84]. **Maui** [Spr00]. **maximal** [von84]. **Maximally** [von84]. **Maximum** [KP75, vR89, GLM15, HF95, QXG18]. **maximum-redundancy** [HF95]. **May** [AFI71, CDS00, IEE81a, IEE81b, IEE99]. **McDougall** [Fuk14b]. **McMillan** [BJ15]. **Mean** [BB84, BB89, BB97, BB00, BB04, Sal76a, Alz97a, Alz98, Alz03, KPPS08, MH72, Sal89, Tod90]. **Means** [Fet65, Fil66, Gus66, Mül90, von80, BS06, CS11, Fer86, Kon76, Leh71, MMV81, MS87, Saa91, Tes69, Wen10]. **Measure** [DR94a, DR94b]. **Measurement** [BDL<sup>+</sup>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]. **Meijer** [BS13]. **Melbourne** [Lav80, Men06]. **Melfi** [CDS00]. **Mellon** [Tra76]. **Memoirs** [Lov53]. **Memoriam** [Dav59]. **Memory** [LJ13, Kog89, Tak00]. **Memory-Efficient** [LJ13]. **mesh** [DR89]. **Mesopotamian** [Man23]. **Metalibm** [KL14]. **Method** [BC23, BCE<sup>+</sup>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, Qua18, Sar59, SF96, SZ05, SS99b, Sto41, Tra60, TS76, Van69, WMBE14, WN09, Wyn72, Yon70, Ypm95, Aab54, AM12, Ali11, Bar82b, Bar84a, Bor82, BR94, DK82, Dom03, Fab02, Fuk14b, HTHR94, Hai60, HR05, Hit74, HF95, Hor19, Kon76, KI04, LG79, LP95, LP83, Lyo91, Mag94, Mar77, Mat90a, Now06, Ole96, Ost37, Ost38, PR04, PB83, 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, BR91, Cas83, Dub83, Fik67b, Fra65b, FR76, GSS12, Gau75, GST07a, HF09, HBF09, HR07, ITY95, JS56, JS99, Meg89b, Mos89, Ng75, RGK72, Sid03, SZ70, SZ74, SZ76, TAY91, Tem15, Ull90, Vla02, AGS99, Ano98a, Arf85, AW01, BDGP13, BDGP14, BL71, Boy89, Boy01, Bre75b, Bre76b, Bre78b, Bre85, Bre88, CG24, Cuy94, Epp89, FGG82, Gab79, Gus84, HP93, KK96, Kru99, LVV05, LLK14, McC77, Mei67, Mon83, Mül93, NS13, Oli75, Osa94, Özb06, Pas10, Pas11, POP17, PC93, PKP74, Pol88, RW77, Roc82, RDK98, Saf10, SS98, Spi85, Sti59, Wat90, Wim82, Die83]. **metodom** [LP83]. **metric** [Som82, ZSA86]. **Mexico** [IEE91]. **MHz** [PZ95]. **Michigan** [IEE81a, IEE81b]. **Micro** [DSK83, DSK84, Ber84, Bic81]. **Micro/mini** [DSK83, DSK84]. **microcode** [Rus99]. **microcomputer** [Mil89]. **Microcomputers** [AMT78, AJMT81, MTP82, Völ83]. **Microprocessor** [And82, Die83, HAK91, Obe99, Sin96, SL97, Kun81]. **microprogramming** [Hit75]. **Mie** [Len76]. **Mikrorechner** [Völ83]. **Mikrorechnerprozeduren** [Die83]. **Military** [MC87, MC90]. **Miller** [LP88, Mil04, Ter81b, Zai93]. **Milton** [Dav59]. **mincing** [Bel89]. **mini** [Ber84, DSK83, DSK84]. **mini-micro** [Ber84]. **Miniaturized** [Luk71a, Luk71b, Luk72]. **Minimal** [Met65]. **Minimax** [Fra65b, LW95, POMB05, Fuk15d, Fuk15b, Let97, Pol88, Wan82]. **minimization** [Dan77]. **Minimum** [XLW<sup>+</sup>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** [WB78, Tur94]. **Model** [CHG<sup>+</sup>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, PB83, 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, Yos97, BY19, BBB89, WTM05]. **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<sup>+</sup>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<sup>+</sup>07, LN22, Smi89, Smi01, Tak00, Zag24a]. **Multiple-grid** [Joh83]. **Multiple-Precision** [Bre76a, CM13b, Kor11, Krä93, Smi91, Smi11, Bre75a, Bre75b, Bre76b, FHL<sup>+</sup>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, ABFP24, DCL<sup>+</sup>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]. **Nilakantha** [Hay99]. **nach** [Töl68]. **NAG** [Sch77b]. **Nakagami** [SK11]. **Nakagami-** [SK11]. **Nancy** [Ano06]. **narrow** [MO18]. **Narrowing** [HJ96]. **National** [Ban01, L.61, 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, GRAFT16, 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<sup>+</sup>18]. **Nevada** [AFI69]. **Neville** [Häv79]. **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<sup>+</sup>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** [BKdLSGL23, 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, Mac65, Mar04b, Mor80, Nor89, Pag77, PR82, PR96, Sha85, She54, Sho05, VLCSFN<sup>+</sup>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<sup>+</sup>11, CJL09, GLT<sup>+</sup>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, Mil58, Moo67, SF59, Tak66, Tho65, Tho66, TM68, Ver67, WC61, Wil68, WKG66, Woo67, HUY07, LM07, Mul24].  
**Nothing** [Kah87]. **Notices** [Moo67]. **Nov** [FBM04]. **Novel** [Bas01, RJM<sup>+</sup>20, SF10]. **November** [AFI69, Ano91, AEF92, IEE89b, IEE91, Sin95]. **novembre** [Ano98b, AEF92].  
**NP** [RT89]. **NP-complete** [RT89]. **ns** [MIT<sup>+</sup>95]. **NS32000** [Cam86].  
**NSWC** [DG99, Mor81, Mor84, Mor90, Mor93, TGC89]. **NSWC/DL** [Mor81]. **Nullstellen** [Mah30]. **Number** [BW00, DLM09, Fri67, GI01, Has66, Her61b, Hig18, Ngu98, OTY91, SH72, ST74, Tan89b, Bre74, Che88, GB90, Har14, Hon71, LP83, Per85a, KR86, Str59, VRS<sup>+</sup>95, VRS<sup>+</sup>99, Win70].  
**number-machine** [GB90]. **Numbers** [Ano03, Ano06, BB88, BH13, 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, CJL10, 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, Lau04, Let01, LB90, LO94a, LO94b, Mat04, Mil58, Mil75b, Olv67b, POP17, PTVF07, Pri66, Pro87, Sti59, Tem75a, Tem00, Tem07, Ull90, Wat90, Wie99, AGA<sup>+</sup>80, BGV81, Boy14, Bre18, Bre19, Bre77, Bre78c, Bre78b, Cuy94, Ein79, Ell83, EH16, Gor82, GP84, HvdR63, Hor19, Lan59, Mei64, Mei67, Mil75a, MN16, Mül93, NSU20, PBN93, RdL01, SGA81, SL83, Spi85, Tem76, Tem83a, Tod54, Tod55, VRS<sup>+</sup>95, VRS<sup>+</sup>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<sup>+</sup>80].  
**occurring** [AJ03, Boe91]. **Oct** [Ull90]. **October** [IEE89b, IEE89c, Lav80, Sin95, USE88]. **ODEs** [LO93]. **Odnomernyi** [PS93]. **Off** [Kuk71]. **Office** [L.61]. **Ohio** [Fet81a]. **Old** [FR98]. **Olsson.wl** [ABFP24]. **On-Line** [Erc78, OE82, SMG94, PBE03, DHM89]. **On-the-fly** [EL89b]. **One** [BTT16, Gau65a, Hit57, LN22, Lir71, PS93, SLZ05, BBB89, Pól49, SF10, Spi85, Tes69, Car91, Jan77]. **One-Dimensional** [BTT16, PS93].  
**One-Half** [Lir71]. **one-step** [Spi85]. **One-Variable** [SLZ05]. **Ontario** [Bro07, SIJ93]. **Ontwikkelingen** [Dop42]. **Onvolledige** [Dop42].  
**open-source** [Joh12]. **OpenCL** [MHSK16]. **Operand** [EM04a, EM07, WS06, EM04b, ITY97]. **Operands** [SF16]. **Operating** [Rot70b, Sho86]. **Operation** [SF16, SF96, SF93a]. **Operational** [BC79, BDGP14]. **operations** [BWKM91, Flo61, Gon89, LBdDM16, Sch93a, Sch93b, TE06, VCV01].  
**Operator** [FS96, von80, Sun88]. **Operatorkonzepts** [von80]. **operators** [AHM<sup>+</sup>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<sup>+</sup>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, Gup60, 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, KWW07a, KWW07b, 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, Fox54, GST02d, NDT69, ND70, Alh00a, Bre19, 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<sup>+</sup>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, Fox60, L.61, 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, L.61, 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<sup>+</sup>95, VRS<sup>+</sup>99, Zen04].  
**Packages** [DPC95, ABFP24, BK16, Kra95, Squ91b]. **Padé**  
 [AGJ86, Bor88, Dri95, DF78, GSS12, KSVW07, Sab08, WdZ04, Zul25]. **pair**  
 [HFS99]. **Paleo** [BB12]. **Paleo-Mathematics** [BB12]. **paper** [Tra60].  
**Paperback** [L.61]. **papers**  
 [Spr00, Boe61, Bur62, 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**  
 [Fox60, Jon06, L.61, 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<sup>+</sup>91, GLJL23, 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,  
 KWW07a, KWW07b, MM95, Tem87, Tem94a, Tem96b, Töl68].  
**Parametrized** [RJM<sup>+</sup>20]. **Park** [IEE89b]. **Part** [Fet81a, NPA16, SZ70,  
 Kru99, LU96, Ano52, Ano60a, Ben83, Cas83, SZ74, SZ76]. **Partial**  
 [AO08, Böh03, HBF09, Sch16, Bus74, MKS83, War75]. **Particular** [Völ83].  
**partition** [FNC75]. **partitions** [AGJ86]. **parts** [Tim87]. **Pascal**  
 [von80, MKS83]. **past** [Bre85]. **Pathways** [Meg89a]. **Patras** [SC01]. **pattern**  
 [Sid06]. **patterns** [PI16]. **Patterson** [Fet81a]. **peaks** [Phi79]. **Pendulum**  
 [PS05]. **Pennsylvania** [Tra76]. **percentage** [DH77, Fet79]. **Percentile**  
 [FC60]. **perfect** [Dun90, dDM06]. **Performance**  
 [ASA06, BTDS11, Cod90, Gal85, SK11, SA00, SL95, CL00, CP99, Gal86,  
 LN21, MMW91, MM92, WMDM92]. **Performance-Driven** [ASA06].  
**Perimeter** [Adl12]. **Periodic** [DR89, Wan78, 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<sup>+</sup>99]. **Physical** [Flo15, L.61, Mat93]. **Physicists** [AW05, AWH13c, Arf85, AW01, Fet81b]. **Physics** [GI01, HBF09, Hoc71, Hoc86, JS56, JS99, PC11, Sne56, Sne61, Sne80, SS70, Tem96a, VS04, VS10, Ars68, Coh12, Her82, Hoc61, MO49, MOS66, NU88, Sne63, Veb12, Szm13, Wig67]. **Physik** [Sne63]. **Pi** [BBB97, BBB00, BBB04, Bre17]. **Pick** [Ped03]. **Piecewise** [KP75, Qua18, SDP11, Fuk15b]. **Piecewise-Polynomial** [SDP11]. **pipeline** [OJ04]. **Pipelined** [Bru22, CCCP99]. **Pipelining** [TE06]. **Pitfalls** [Bol06]. **Pittsburgh** [Tra76]. **PLA** [EL89c, EL90]. **Places** [Knu62a, Sal53]. **Plane** [BDG<sup>+</sup>72, EW76, BDG<sup>+</sup>84, CM83, GJL20, Töl67b]. **platform** [CTA22]. **Plesset** [Hom96b, Hom96b]. **Plethysm** [Car90]. **Pocket** [McC90, Nor89, Pag77, Lin89]. **Pocket-Calculator** [Nor89]. **Pocketbook** [Bar14]. **Poincaré** [Hau88, Lev91a, Pas92]. **Point** [AAHTH10, BM04, Bli97, Bra87, CH98, DGS65, D<sup>+</sup>89, DHL<sup>+</sup>04, GB91, Has90, Hul78, IP17, JKMR11, JMMW79, Kah80, LP16, LP17a, LP17b, LM15a, LD89, MMNP91, Meg89b, Mey01, MLS<sup>+</sup>18, Rev16, Rus98, Sch88b, Smi91, Tan89a, Tan90e, Tan92, WS05b, dDLM11, dDI15, Ano67, BBC<sup>+</sup>91, BS06, BWKM91, BCK<sup>+</sup>93, Bol06, BMR04, CG24, CHGM99, Cro92, FHL<sup>+</sup>07, GLM15, GM88, HHR00, Hou81, HS20, JM17, KMB94, KMY89, Krä88, Kra98, Kul07, LBdDM16, LKH93, LC97a, LMOT01, LN21, 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<sup>+</sup>89]. **Points** [Bra87, BEM12, FCC73b, FC60, WMBE14, Bos89, DK82, DH77, 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<sup>+</sup>08, CPCD19, Cle54, Cod65b, Eis63, ECSD20, Fik67b, Fra65b, Hit57, JKMR11, LB09, NDT69, Qua18, 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, Sue99, 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, Tes69, Tim87, ZZ11, zCFF05]. **polytype** [Vai89]. **pomoshch'yu** [Saa91]. **Popov** [Köl90]. **porous** [YH89]. **PORT** [FHS77]. **portability** [CTA22, Cow77]. **Portable**



[Amo83a, Amo83b, Amo86, Amo90, Amo95, Bee17, Cod91, Cod93a, Cod93b, Ful77, KDDH92, KDDH94, Kor11, Rum01, SP20, Tan88, Tan90c, ZOHR01, AHM<sup>+</sup>98, Tan91a, VRS<sup>+</sup>95, VRS<sup>+</sup>99]. **Portland** [BCDH09, CLT20, IEE23]. **Posit** [OJL22, XLW<sup>+</sup>20, RJM<sup>+</sup>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, HJZ23a, HJZ23b, HJZ<sup>+</sup>24, Kat78, KP98, MI97, NL99, Wen10]. **Power3<sup>TM</sup>** [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<sup>+</sup>11, CHG<sup>+</sup>11, CM13b, Cod64, DPC95, Fat16, God20, HA85, HA86, 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<sup>+</sup>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<sup>+</sup>83, XL94, Zag24a, Zag24b, dDLM04]. **precision-** [VCV01]. **Predicting** [AMM21]. **Predictive** [Bak73]. **prefixed** [HR07]. **Preparation** [WWG51, WWG57, WWG82, RW72]. **Prescaling** [EM04a, EM07, LM95, EM04b, LM92, LM99]. **prescribed** [Hay99]. **Presentations** [Bor02]. **Presented** [Bir54]. **Press** [Lip21]. **Priblizhenie** [PT80]. **priblizhenii** [DZKK77]. **priblizheniĭ** [Saa91]. **prices** [SR16]. **prilozhenii** [PT80]. **primal** [KMY89]. **primal-dual** [KMY89]. **Prime** [JF16, Per85a]. **primitive** [Dri91b]. **Primitives** [Laz85, EM03]. **Princeton** [HDG<sup>+</sup>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** [AO08, Bre82a, Cas83, Ovt03, Ric68, Rob55, 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<sup>+</sup>80, AGL93, Ano91, ???90, ES89, Hwa85, IEE78, IEE81a, IEE81b, IEE89c, IEE91, IEE99, IEE23, 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<sup>+</sup>97, USE88, Wah04, Zah94, ACM89, Ano06, BCD<sup>+</sup>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<sup>+</sup>89, Dav81, Nav83, Rus98, AGS99, DMS95, Mar90, Mat90b, PKS00]. **Processors** [IEE89c, IEE08, Rev16, T<sup>+</sup>97, VDR05, BBC<sup>+</sup>91]. **produce** [LN22]. **product** [AB88, Gla74, LW89, Max91, MS15, VC06a]. **Production** [Sch76b, Sch77b]. **Products** [GRJZ07, KKI67, MS68, Sol69, XD18, LK73, RKZ<sup>+</sup>14]. **Professeur** [AEF92]. **Professor** [AEF92]. **Profile** [Dav59]. **Profiler** [PI16]. **Program** [Bar76a, Bar76b, BDM81, Bar84c, DSK83, DSK84, DF84, LMS73, MKS83, NT84, SSG<sup>+</sup>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, Tho97b, Tho97a, WNO94, WWG51, WWG57, WWG82, BW89, Dam94, Fuk83, Gon89]. **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, dLMF23, 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<sup>+</sup>93, DHL<sup>+</sup>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** [Amo83b, 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<sup>+</sup>24, LM95, LA01, LA03, MIT<sup>+</sup>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<sup>+</sup>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<sup>+</sup>05, Gau16, HKA93, JSH<sup>+</sup>11, Joh15a, SOL81, DMMM95, GF88, Her61c, Joh14a, KPPS08, Mas83, MV98, VC06a, VCV01]. **range-independent** [VCV01]. **Range-Reduction** [BDK<sup>+</sup>05]. **Ranges** [Bin68]. **Raphson** [CHGM99, KMB94, MM91b, Mou67, WMC21, WS05b, Ypm95]. **Rapid** [Esc37, JJ65, MZM94, NSU20, BBP97, Bre19]. **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<sup>+</sup>08, BF23, 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, DH76, DiD84, Gau64c, Gau64d, Gau77a, GS78, YA24].  
**Raton** [Lip21]. **ratsional'nykh** [Saa91]. **ray** [Phi79]. **RCWFF** [Bar76a, Bar76b, Bar84c]. **RCWFN** [Bar76a, Bar76b, Bar84c]. **Real** [Ano03, Ano06, Bar76a, Bar76b, Bra87, CP98, CMF77, DLM09, DiD78, EH16, FBM04, GKS04, GZ75, Krä87, Mor76, Mor79, Mül90, RL80, Ric68, Soo73b, Soo73d, Sou57, Wan74, Zag19, AM78b, AM84b, BFSG74, Bar81, Bar82b, Bar84a, BFSG84, Bar84b, Bar84c, BY07, Bat19, BF92, Bre19, Bro89a, CG24, 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<sup>+</sup>02, CDJ<sup>+</sup>01].  
**Rechenverfahren** [Hen77]. **Rechnerarithmetik** [von80]. **Recipes** [PTVF07]. **Reciprocal** [ALMN05, Bor21b, BTDS11, EIM<sup>+</sup>99, EIM<sup>+</sup>00, Int03b, IM99a, IM99b, LA01, LA03, PB02, Tak01, WS06, Bor21c, BJM22, CLZ04, FW84, GEK04, JL94, Sei99, SW50, Wri84]. **Reciprocals** [BTDS11, SW99a, CO86, Sin96]. **Reciprocation** [ELMT00]. **Recoding** [ZCL15]. **recognition** [MS82]. **record** [Rah01, Sin95]. **recourse** [BW89].  
**rectangles** [Man23]. **Rectangular** [WG94b]. **Recurrence** [Act74, ALMN05, Fat16, Gau67, GT59, HSE<sup>+</sup>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<sup>+</sup>05, Car70a, CF00, JSH<sup>+</sup>11, MM95, NC66, Shi93, Smi95, SLZ05, BK16, DMMM95, Gra02, HTHR94, VB81, vRdL88, BK16].  
**redundancy** [HF95]. **Redundant** [TAY91, LKKH99, LP83, MC93, MC95, Sei99, ZXBZH01]. **reelle** [Bra87, Krä87, Mül90]. **réels** [Mul85b]. **Reference** [Car74, HH18, Mor75, WWG82]. **refinement** [KI16]. **Reflections** [Cra12b].  
**Regency** [IEE89c]. **regimes** [YM03]. **Region** [IEE85, Fet74, MO18].  
**Regional** [Men06]. **regions** [ABFP24, ND19]. **Regular** [AS95, CP70, Ike75, Ike76, Sha76, Bar81, Bar82c, Nes84, SSG<sup>+</sup>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<sup>+</sup>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, Sug58]. **Replacing** [MM83]. **Representation** [DGA18, GRS87, Kaz65, Mul85b, PGA18, Var95, VK95, Mul85b, CS11, FF54, FF57, Kar01, Mar95]. **Representations** [ADN03, LW89, Mat04, NS09, ABFP24, Bus74, Die80, Dut86, Ism77, KRT02, LKF10, LN21, LN22, Qi14, Vil88, WS84, Wen07]. **representing** [Hai60]. **requirements** [Wil96]. **Res** [ACG<sup>+</sup>87, Fet81a]. **Research** [Ask75, IEE89b, IEE99]. **residual** [Kaz65]. **Residue** [OTY91]. **resource** [BCR<sup>+</sup>07]. **Respect** [Lau73, AG08, Bus74]. **respectively** [Kra95]. **Response** [Sho02]. **Restoring** [MCT18, OLHA95, LC96, LC97b]. **restricted** [vdD88]. **restrictions** [Spi85]. **Result** [AK93, Krä93, 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, L.61, Lip21, Wig67]. **Revised** [Dun94b, Loz97b]. **Revision** [MHKS16]. **Revisited** [CG02, Eis63, SZ05, BF92, Par16]. **RFSFNS** [VRS<sup>+</sup>95, VRS<sup>+</sup>99]. **Ricatti** [Bra70]. **Richard** [Bir54]. **Richardson** [Fil66, Fil66]. **Richardson-Algorithmus** [Fil66]. **Riemann** [BM15, BH18, Bor95b, Bor95a, BBC98, BBC00, BCR<sup>+</sup>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, BKdLSGL23, GZC22]. **RISC-V** [BKdLSGL23, GZC22]. **Risch** [Laz85, Mos69]. **RMM** [Sho02, Sho05]. **RMM-Based** [Sho05]. **RNC** [Ano06]. **RNC5** [Ano03]. **RNC'6** [FBM04]. **Robust** [Mac89, DR04, VT11]. **ROC2.wl** [ABFP24]. **ROM** [Spr00, GP84]. **Roma** [Ano98b]. **Romanian** [Hai60]. **Romberg** [EM86]. **Root** [ARH14, AH10, Ale77, AMT78, ALMN05, AMS76, BV85, BO93, Bee91, BMZ02, BR73, Bor21b, Bru22, BH07, Cat86, Cod64, CH98, CHI<sup>+</sup>03, CL94b, Cow64, D<sup>+</sup>89, EL94, EIM<sup>+</sup>99, EIM<sup>+</sup>00, ELMT00, EM04a, EM07, Esc37, Fik66, FR98, Fri67, Ful99, Gar75, Gar80, GBKK09, HAK91, HSE<sup>+</sup>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<sup>+</sup>95, MRH19, MKY92, MM91b, MCT18, Nan11, Ngu98, Nin70, OLHA95, OE82, Par06, PB02, PBLM08, PB08, PZ95, RJM<sup>+</sup>20, Rix82, RHMLL08, Rol87, Rot70a, Rus98, Rus13, SH72, SK71, SG02a, SF96, SL95, SL97, Swa65, Tak01, Tha61, Wad58, WMC21]. **Root**



[Wal80, WS05b, Wil70, WS06, XLW<sup>+</sup>20, Yon70, Zim99, ZG87, AHM<sup>+</sup>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, 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<sup>+</sup>92, Lyo91, Man23, MST89, MI97, Mat90b, MMW91, MM91a, MM92, MMH93, Mit92, MC89, MC91, MC93, MC95, MWH<sup>+</sup>16, MWH<sup>+</sup>18, NL99, Obe99, OJ04, Ped80, PS86, PR04, Pro83, Rus99, Rut63, Saw02, Sch73]. **root** [SF93a, SF93b, 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<sup>+</sup>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, Sug58, 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<sup>+</sup>95, VRS<sup>+</sup>99, Yey92, Zen04]. **Rotation** [ZCL15]. **rotations** [Bor21c]. **Rough** [Gor82]. **Rounded** [Bor21b, God20, GLT<sup>+</sup>15, HA85, Kah96, LA01, SS94, Ziv91, Ano14, BJM22, BMR04, BHMZ24, CLZ04, HJZ23a, HJZ23b, HJZ<sup>+</sup>24, LMT98, LM00, LN21, LN22, SS93b, dDLM04]. **Rounding** [BJK<sup>+</sup>11, BTDS11, IM99b, LM95, LL09, LM03, Lef05, PB08, RN96, Sch95, TBDS11, ALB98, EL89b, FHL<sup>+</sup>07, LM99, LN22, Mul24, Ost37, PEB02, PBE03, SS93a, Ziv99]. **Routine** [Ale77, Kin65, Swa65, Tur69, Cat85, Fre81]. **Routines** [Cod93b, Fik67b, Ful77, Sch76b, WB78, 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, Wan80, WOG95]. **S-3800** [WOG95]. **S/360** [Wan80]. **S13** [Gau73]. **S14** [PSB76, Pom76, eL79, Dor68, Gau79a, HD73, Hil73a, Hil77, Kuk72a, Kuk72b, LT71, Sch78b, TS69]. **S15** [eL76, Ber68, Gau69a, HJ67b, Mac65, OW68]. **S16** [Cob69, Gau65a]. **S17** [Sko75a, Bur74, Gau64a, Gau65b]. **S18** [ADW77a, Amo78]. **S20** [LG64]. **S21**



[Sko78, CN81, Eck80, Far69]. **S22**  
 [Cle69, CP70, Gau69b, GZ75, Köl68, Köl69a, Köl69b, Köl69c, Mor76].  
**Śaṅkara** [Hay99]. **Saddle** [FCC73b]. **safe** [Bai21]. **Sage** [ES10]. **SAIN**  
 [Kee82]. **Salzer** [Ano84]. **Samos** [VDR05]. **Samples** [Pom74, Pom76].  
**Sampling** [Ryb89]. **San** [Koo91, SE11]. **Sanskrit** [Plo96]. **Santa**  
 [ES89, IEE78, MSH<sup>+</sup>16]. **Santander** [GST14b]. **satisfactory** [GST07b].  
**satisfying** [EM94]. **saturation** [Hei88]. **Scalable** [OJ04]. **Scalar**  
 [ACG<sup>+</sup>86, FFS83, ACG<sup>+</sup>87]. **Scale** [TAY91]. **scaled** [Zag24a]. **scaling**  
 [ALB98]. **SCAN** [Ull90]. **Scattering** [Len76, MS68, Car82, Kre89].  
**SCELBAL** [Arn77]. **Scheme** [Chl11, GIJL23, 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, PC11, Spr00, Bar14, Mat93]. **Scientific**  
 [AK93, Lov53, MT85, PTVF07, Pri66, SKL93, AEF92, MT86]. **scientifique**  
 [AEF92]. **Scientists**  
 [Bel04, BF71, Lau95, Lau04, MH08, Bel68, Sen67, Köl97]. **Scorer** [GST02c].  
**search** [Hig93]. **Searching** [SLZ05]. **Secant** [BH13, 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<sup>+</sup>24, Kor05, LM95, Rus13, ALB98, PEB02, PBE03]. **selections** [Som82].  
**Self** [CC69, GREL96, LKKH99, MIT<sup>+</sup>95, Ull90, CCCP99, MI97].  
**Self-contained** [CC69]. **Self-Timed** [MIT<sup>+</sup>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, IEE23, SC01, Wah04]. **Sequence**  
 [Alb62, Cod83, Tro84, Wim81, Hom98b, Man23, Mus87, Wen89, Wen96].  
**Sequences** [Bra65, Ekl01, FFS83, Osa90, Bre78a, Del81, DGB82, GB90,  
 Gon52b, Lev73, LM08, LSY15, Sed90, Yey92]. **Sequential** [Kar84]. **Series**  
 [AGS99, AO08, AS54, BM15, BS98, Cah54, Cle55, CRZ00, Fat16, FFS83,  
 Fuk12, Gas81, GS82b, GCP67, GRJZ07, HBF09, Hom96b, Hum64, Kal04,  
 KC76, Luk59, LC61, PL19, Pie84c, Plo01, Pri75, RS81, Sch16, SJ01, Van69,  
 WR71, Wre68, Wre73, Wyn60, Air37, AJDG02, ABFP24, 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, 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].  
**series** [Wen89, Wen96, Wen01, Wen07, Wen10, WN09, Woz10, ZB97].  
**Service** [GS14b, Loz96a, Loz97a]. **Session** [DM08, Ric92]. **Set**  
 [DPC95, GZC22, Tem94b, DGB82, GP84, Hay99, Meg89a]. **Sets**  
 [AEF92, PW76, EH89, Hig77]. **Setting** [Rah01]. **Seventh** [MS94]. **Several**  
 [DX01, DX14, Lóp98, Che13b, CC17, KS88, Liu93]. **Sexagesimal** [Arc43].  
**Shanks** [AGJ86]. **Shared** [MIT<sup>+</sup>95, Fan89, KP98, LKKH99]. **Sharp**  
 [BD85, CT16, Mor14, QV96, YCZ15, Ziv99, MRS18, SR16]. **sharpened**  
 [Kai89]. **Shift** [CH70b]. **Shifts** [BM04]. **Short**  
 [ADN03, Boe61, Boe62, Bur63, Bur64, Fet67, Fox54, Fra65a, GB68, Gla66,  
 Har66, HKW60, Hea65, Hum64, JJ65, Lan60, Lon59, Mec68, Moo67, SF59,  
 Tak66, Tho65, Tho66, TM68, Ver67, WC61, Wil68, WKG66, Woo67]. **Should**  
 [PW76]. **Shrivenham** [MC87, MC90]. **shuffle** [SR81]. **shuffle-exchange**  
 [SR81]. **SIAM** [SKL93, IP87]. **side** [JW88]. **Sided** [Sch84]. **Sieve** [Ngu98].  
**SIGAda** [ACM87]. **SIGForth** [Koo91]. **sigma** [Töl67a, Töl67a].  
**Sigma-Funktionen** [Töl67a]. **sigmoid** [WR96]. **Sign**  
 [Kah87, HHR00, Sid06]. **signal** [JL94, Luk99]. **Signals** [Sin95, LP62]. **signed**  
 [CA00, LKKH99, RN96]. **signed-digit** [CA00]. **Significant**  
 [BL94, DM88a, DiD90, DM92, ZA24]. **SIGSAM** [ACM89]. **SIMD** [GIJL23].  
**Similar** [Tho66, Völ83, Act74]. **Simple**  
 [BS79, HMO19, Jan11a, Jan11b, MC91, VLCSFN<sup>+</sup>12, Zag17, von84, CB09,  
 Cho14, Cre91, Dom03, KRVZ98, Leh83b, Lew94, NS13, PNV01, Vai89, Wen64].  
**Simpler** [Lin90, Sha85]. **simplex** [Blo88]. **Simplification**  
 [Bro89a, BBD03, BD02]. **Simplified** [TM68, Wal80]. **simply** [SE14].  
**Simulation** [MMH89, Toc63, Gly89]. **Simultaneous**  
 [Gar79, BL96, Bel90, KI04, Sun88]. **Sinc** [GS91]. **since** [Gau98]. **Sine**  
 [BH63, Cun62a, Cun62b, Plo01, SZ76, TAY91, Tan90d, Bak76, BS11, Har00,  
 JL94, PKS00, Saf10, Paw11]. **sine/cosine** [Bak76, JL94, PKS00]. **Sines**  
 [Pat18]. **Single**  
 [Fra65b, HHv<sup>+</sup>73, LP16, LP17b, SH72, Hon71, LC97a, MI97, WG95]. **Single-**  
 [HHv<sup>+</sup>73]. **single-rail** [MI97]. **singular** [BS06, DK82, Mus87, Whi82].  
**Singularities** [SL07, Tim87]. **singularly** [JS89]. **sistemakh** [LP83].  
**Sivashinsky** [AGH89]. **Six** [AFC10, WOG95, ZS08]. **sixteenth** [Hay99].  
**sixteenth-century** [Hay99]. **Sixth** [SKL93]. **size** [Bel89, Par99]. **Sketch**  
 [Lov43, Lov89]. **skew** [Kru99]. **skew-symmetric** [Kru99]. **skipping** [MC91].  
**SLEEF** [SP20]. **Slepian** [MC04]. **Slimmer** [dLMF23]. **sloping** [Ehr89].  
**Slow** [LB09, Wil70]. **Slow-Fading** [LB09]. **Slowly**  
 [UE05, Lew94, WN09, Woz10]. **Small**  
 [Der77, ELMT00, Pom74, Pom76, BZ92, GST15a, Pie84d, Shi93]. **Smirnov**  
 [Pom76, Pom74]. **Smooth** [Pol88, KS88, Pro88]. **smoothing** [BD85].  
**Smoothness** [GK89a]. **SMT** [KI16]. **SMT-based** [KI16]. **Sobolev** [Zie89].  
**Society** [Ban01]. **Software**  
 [And82, Bee17, BCD<sup>+</sup>20, Boi97, Cod71, CW80, Cow77, CBBV10, ES10, GS14b,



Gre16, HY14, Joh87b, Joh12, Kah80, Loz94, Loz96a, Loz96b, Loz97a, Mar04a, Mil04, Mol83, Rap14, Ric71, Sch77b, Tan90d, WNO94, dDM06, Cod82, Ein79, FvdHJT10, GST14b, ISO10, KRVZ98, LKK19, Mac94b, Mac96, PIH14, Smi01]. **solids** [Har77]. **Sollya** [CJL10]. **Solution** [Die83, Hom96a, LB90, Mil57, Pre55, Rob55, DK77, Lev91a, Luk56a, Luk56b, Olv67b, Rut51, Spi85]. **Solutions** [Cle69, Fri72, Olv67a, GST04b, GST07b, RdL01]. **Solver** [Flo15]. **solves** [SD85]. **Solving** [Boy14, Fuk83, Gon89, Hor19]. **Somastuvan** [Hay99]. **Some** [AB88, Alz93, Bak75b, Bel58, BM80, Bre82b, Car70a, Che11, CB12, DHM89, Elb01, Erc72, ELMT00, Fdi97, FB91, Fil66, GB68, Gla66, Gla74, HP62, Her82, Hit75, HKA93, Ker83, Kin21, Lav86, LM07, Lu14, LSM15, LM15b, Luk75a, McN73, Mon83, Mul24, Osa90, Pas03, PC93, QM15, QVV98, RGK72, Ric68, Ruy89, ST74, Sle65, SW88, Tan90d, Tur53, Wan80, Wim62, XC14, Alz97b, Alz97c, Arm82, Bak73, Bak75a, Bre78a, CC17, De 91, DF78, FW80, Fra81, FW85, Gau11, GM84, GK89b, HP93, Hei88, Hol90, Kui52, Kza92, LW14, MT72, MY91, Mit49, MC91, Now06, OSS09, Pal98, PS86, QGG10, Rza12, Sed90, SL83, Sim64, Ter81a, Tre80, Wen01, Wim72, WN09, Woź10, VB81]. **Sommerfeld** [Fuk14a]. **Soni** [Coh12, Wig67, Szm13]. **Sound** [HJ96]. **source** [BBB97, BBB00, BBB04, Joh12]. **sources** [Wil96]. **South** [HY14]. **Southard** [T.57]. **Southeast** [Men06]. **Space** [CGKZ05a, CGKZ05b, LP62, Mus87]. **Space-efficient** [CGKZ05a, CGKZ05b]. **spaced** [FK88]. **Spaces** [Yos97, AB88, Som82, Zie89]. **Spanish** [MCM90]. **SPECFUN** [Cod93b]. **Special** [AO08, AGL93, AK09, And98, AAR99, AKS01, Bal00, Ban01, Bat07, BW10, Bel68, Bel04, BS11, Bre80a, BIS01, Car70b, Car77b, Cer07, CD08, CMW63, Cod75, Cod93b, CVW06, CPV<sup>+</sup>08, CBBV10, Deu76, DM08, El 06, Fei78, Ful77, GI01, Gau75, GST03b, GST07a, GLR07, HBF09, Hoc61, IK05, IA20, Joh14b, Joh20b, Köl87, Koo91, KS20, Kor11, LM15a, Leb65, Leb72, Loz94, Loz96a, Loz96b, Loz97a, Loz00, Luk69a, Luk69b, MH08, Mil65, Mos72, NU88, Olv74, Rai60, Ric92, SF16, Sch76b, Sch77b, SC01, SL07, Sne56, Sne61, Sne63, Sne80, SZ70, SZ74, SZ76, Szm13, Tal68, Tem96a, Vil88, VK95, WG89, Wig67, WWG82, ZJ96, Ano93, Ano98a, Ars81, Ars68, AN68, Ask75, BC09, BBC<sup>+</sup>14, Ber01, Bre10, Buc69, Bus74, Car82, CKT07]. **special** [CDS00, Coh12, DKK80, DIW00, Gau63, GG08, GST02a, GST14b, Hig77, ISO10, KV03, Koe16, LO94a, LO94b, Mac96, MO49, MOS66, Mar88, Mat93, MS03, Mil68, Mos69, PNV01, PBM92, RDK98, Sau93, Sen67, Sid06, Tem83b, Tem07, Töl66, Töl67a, Tri66, Ubh89, WS84, Wen01, Wen07, Wim82, vdLT84, Ban01, Die80, DM08, Her82, PBM86b]. **Special-Function** [Kor11]. **speciali** [AN68]. **Specialness** [Bat07]. **Specific** [GBKK09, HCK09, IEE08, T<sup>+</sup>97, VDR05]. **Specification** [MHSK16]. **spectral** [Boy89, Boy01, Koe16]. **Speculation** [CL94b]. **Speed** [CG85b, JSH<sup>+</sup>11, Maj85, PB02, POMB05, RGK72, SW99b, SC71, SA57, ZG87, BHJ05, CCCP99, Fan89, LMT<sup>+</sup>92, Mar00, Sei99]. **Speeding** [PIH14]. **spezielle** [Töl66, Töl67a, Sne63]. **Spherical** [AM78b, AM84b, Bra73, Col78, CU59, GF97, Har00, Hob31, Hob55, Jab94,



MS67, O'B80, PS05, BDGP14, Cai11, Del79, Del84, GF88, Len90, Max91, PS77, PS79, Tal83, Tal84, Tal09, Wil71, de 77, Her61a]. **Spheroidal** [Fla57, LKL02, Low64, Osi13, Sle64, Sle65, Sle78, Str56, V<sup>+</sup>75, XD18, LP61, LP62, MC04, OWS<sup>+</sup>14, RX07, SP61, SS65, SMCH41]. **SPIE** [Luk99]. **SpiNNaker** [MLS<sup>+</sup>18]. **SpiNNaker-2** [MLS<sup>+</sup>18]. **Spline** [Lin79a]. **splines** [DR89, Sab08]. **split** [WG92]. **Splitting** [PLT23, Kre89]. **sponsored** [Ask75]. **Spring** [AFI71]. **Springer** [Fet81b, Köl97]. **sqrt** [Rah01, Kah96]. **Square** [ARH14, ADN03, Ahr96, Ale77, Alt79, AMT78, ALMN05, AMS76, BB12, BV85, BO93, Bee91, BMZ02, BR73, Bor21b, BFHT85, BJK<sup>+</sup>11, Bru22, BH07, BTDS11, Cam86, Car74, Cat86, Che72, Cod64, CG85b, CH98, CHI<sup>+</sup>03, CL94b, Cow64, Cre91, Cre98, D<sup>+</sup>89, Die83, Egb77, ES99, EH16, Erc78, EL94, EIM<sup>+</sup>99, EIM<sup>+</sup>00, ELMT00, EM04a, EM07, Esc37, Eve63, Fik66, FR98, Fri67, Gar75, Gar79, Gar80, GBKK09, HAK91, HCK09, HSE<sup>+</sup>24, Has90, Hei96, Hol69, HMO19, HA85, Int00, Int03a, Int03b, IM99a, IM99b, ITY95, ITY96, JL94, JJ65, JKMR11, Joh87a, Joh89, Kah99, Kal34, KM97, Kin65, KP69, KK98, Kor05, KNS95, LM95, LA01, LA03, LF92, Liu95, LE95, LD89, Maj85, MK71, Maj72, Mar04a, MIT<sup>+</sup>95, MRH19, Met65, MKY92, MM83, MM91b]. **Square** [Mül04, MCT18, Nan11, NF63, Ngu98, Nin70, OLHA95, OE82, Par06, Pat18, PB02, PB08, PZ95, RGK72, RJM<sup>+</sup>20, Rix82, Rob69, RHMLL08, Rol87, Rot70a, Rus98, Rus13, SH72, Sar59, SK71, SG02a, Sch84, Sch85, SW99a, SW99b, SF96, SL95, SL97, Swa65, Tak01, Tha61, Tho93, Tor02, Tra60, Tur94, Wad58, WMC21, Wal80, WS05b, Wej83, Wil70, WS06, XLW<sup>+</sup>20, Yoh70, Yoh73, Yon70, ZA14, Zim99, ZG87, AHM<sup>+</sup>98, AGS99, Ano12, BH99, Bas01, BMZ06, Bic81, Bor21c, BJM22, Bra84, BMST97, BH01, Bur82, CCC96, CCCP99, CF00, Cat85, Che71, CL94a, CL95, CL00, CM90, CO86, CHGM99, CP99, CLZ04, DD76, DSK83, DSK84, DH77, Dut86, EL89b, EL89a, EL89c, EL90, EM03, EM04b, Fan89, Fre81, GST15b, GREL96]. **square** [Har03, HHR00, Has00a, Has00b, HR05, HR07, Hig93, Hit74, HF95, Hon71, HT73, HFS99, ITY97, Jam89, Jam99, JM17, Joh87b, KB89, KK96, KM93, KMB94, KCYL06, KP98, LM92, LM99, LKH93, LKKH99, LO95, LC96, LC97a, LC97b, LE93, LMT<sup>+</sup>92, Lyo91, Man23, MST89, MI97, Mat90b, MMW91, MM91a, MM92, MMH93, Mit92, MC89, MM90b, MC91, MC93, MC95, MWH<sup>+</sup>16, MWH<sup>+</sup>18, Mur99, NL99, Obe99, OJ04, Özb06, Par99, Ped80, Pen81, Per85a, PS86, PR04, Pro83, QW06, RS98, Rus99, Rut63, Sar60, Saw02, Sch73, SF93a, SF93b, Sch95, Sin96, SD85, SLD16, Ste89, Ste08, SL63, Str59, Tak00, Tay81, TVG00, TE06, Tom00, Tuk48, VCV01, WMC18, WN03, WG92, WMDM92, Yey92, ZXBZH01, ZLC04, Zim00, Kun81]. **Square-Root** [ALMN05, CL94b, Gar80, LA01, RJM<sup>+</sup>20, Wad58, Yon70, JL94, LA03, ALB98, GREL96, Has00a, Has00b, HF95, HFS99, KP98, LKKH99, Mit92, PR04, TVG00, Tuk48, ZLC04]. **Square-Rooting** [Gar79, Maj85, RGK72, KK98, Liu95, Par99, WG92]. **square-roots** [BH99]. **Squared** [HP67, HP85, eL76, OW68]. **Squarers** [WS05a]. **Squares** [DB13, Maj72, Sto41, Rei86, SL63]. **Squaring** [Kar84, Sar60]. **squeeze** [Mar77]. **SRT** [MC95, BH01, HF95, Kor05, MMH93, MC93, Rus13].



**Stability** [Gar79, Mil75b, Gus84, Spi85, YH89]. **Stable** [Gus85, KR79, Oli75, Fet74, VC06b]. **stacks** [Dem89]. **stage** [Töl43]. **Stages** [PZ95]. **Staggered** [BHK09]. **Standard** [BBM84, Dri89, GB91, Lóp00, Mor75, Nor89, Rum01, Sal92, Sha85, SP20, YBR11, Zwi03, AHM<sup>+</sup>98, Cho14, DAV12a, DAV12b, Dri91d, Dri91a, Dri91b, Dri91c, Düm10, Hou81, Krä88, McC90, Neh07, Squ91a, Squ91d, Squ91b, Tem85, WR96, Kah80]. **Standardfunktionen** [Bra87, Krä87, Mül90, Rot70b, von80, von84]. **Standardization** [CHG<sup>+</sup>11, DHL<sup>+</sup>04, Kul07, Squ91c]. **Standards** [Lid01, Lid02, Mul82, Low49]. **Start** [Mar05]. **Starting** [Eve63, Fik66, MM91b, Nin70, SF96, Wil70, Mou67, SF93a, Tem96b]. **State** [IP87, MRH19, Dem89, Roc82]. **State-of-the-Art** [MRH19]. **States** [IEE23]. **static** [MI97]. **Stationery** [L.61]. **Stations** [WNO94]. **Statistic** [Kra89, Pom74, Pom76]. **Statistical** [Hil73b, Mac89, TGC89, Mat93, Sti88]. **Statistics** [Gup60, Goe14, Gom89, Mar88]. **STATLIB** [TGC89]. **status** [Ste08]. **Steed** [Bar82b, Bar84a]. **Step** [Bor21b, Spi85]. **steps** [MC91]. **Stepsize** [Ske86a, Ske86b, Spi85]. **Stieltjes** [BB82, BHJ05, BS78, Cha80, KC11]. **Stirling** [Sch16, Spi71, XC14]. **STO** [LDP93]. **Stochastic** [PL19, Sob88, BW89, Ebe89, Gly89]. **Stokes** [HBS00]. **Stoner** [Fuk14b]. **Störungsreihe** [Hom96b]. **straight** [Rah01]. **Strange** [GS82b, Wen09]. **Strategies** [BBC98, BBC00]. **strategy** [WO15]. **stratified** [Kre89]. **strength** [Ost37]. **stress** [SC81]. **strictly** [Whi82]. **Strong** [Ebe89]. **Strongly** [Sal92]. **Structural** [Lew91]. **Structure** [CET62, Jef17, BB16, EC79, Har77, WO15]. **Structures** [FS96]. **Struve** [AJ03, Abr64b, BDGP14, New84, Olv67a]. **Student** [Hil81a, Hil81b, eL79, Hil70a, Hil70b, Hil73a]. **Studies** [Bir54, Har77]. **Studium** [Bar14]. **Studv** [WB78]. **Study** [OLHA95, Sun71, AB93, Bar14, Bre78c, EH16, GK70a, Gau11, Per85a, SK08]. **Subject** [Ano68]. **Sublinear** [BW89]. **submultiplicative** [AR99]. **Subprograms** [Kuk71]. **subquadratic** [Har14]. **Subroutine** [Amo83a, Amo83b, Bre82a, FHS77, Kod08, Col80, Col84, Tal83, Tal84, Tal09]. **Subroutines** [ADW77a, ADW77b, Amo78, Cod75, DM87, GN89, Mor75, Mor81, Mor90, Mor93, TGC89, Wan80, WWG82, Alh00a, EC13, Joh88, Mor84, Sca71, Die83]. **subsequences** [BDGB83]. **subsets** [Ubh89]. **Subspace** [Ovt03]. **Subsystem** [IBM05]. **subtraction** [TW80]. **Subtractions** [Sug58]. **Subtractive** [SL95, Ste89, LO95]. **such** [BO75]. **Suggestion** [Bak76]. **suitable** [MT72]. **Suite** [Liu87, Tan90c, Tan91a]. **suites** [Del81]. **sum** [BDGP13, Bus74, SL63, Vel11]. **summability** [Mül93]. **Summation** [Cle55, Deu76, Gas81, Sid06, Ver67, Wen10, Hom99, KK98, Lew94, Liu95, Ng68, Ver77, Wen89, Wen01, WN09, Woź10]. **Summations** [Gla81]. **Summer** [HUY07]. **summing** [Wen96]. **Sums** [Dub83, Lir71, MM83, Sch16, UE05, BB16, BG84, Böh03, CG89, Fre05, Har77, Kra95, QW06, Sti53, ZLA13]. **super** [Mag94]. **Supercomputer** [WOG95]. **Supercomputing** [Ano91, IEE91]. **Superscalar** [ECSD20].



**Supplement** [Arn77, Ske86b]. **support** [ISO10]. **Supremum** [CJL09]. **sure** [Wil96]. **Surface** [DR94a, DR94b]. **surfaces** [Lit83]. **Survey** [BTT16, Bre78b, Fra65b, Gau75, MM90b, Ars81, Lew44]. **Sussex** [IEE89a]. **Switzerland** [Lak96, T<sup>+</sup>97]. **swMATH** [GS14b]. **Symbolic** [ACM89, BDGP13, Bro07, Car99, GI01, Joh20b, Lak96, SE11, Sko04, Zha96b, Ye17]. **Symbols** [JF16, Gun65b, Gun65c, MS82, Wei98]. **Symmetric** [CG94, JGB13, Lóp00, Ovt03, SS97b, SS97a, SS99a, SS99b, ZC70, Fuk12, Kru99]. **Symmetrical** [Sau92]. **Symmetries** [Car70b]. **Symposium** [ACM89, AGL93, Ano91, Atk79, Bow53a, Bro07, BCDH09, BC01, BBdD17, CLT20, ES89, Gau94, Hwa85, IEE78, IEE81a, IEE81b, IEE89b, IEE05, IEE13, IEE21, IEE22, IEE23, KM95, KK99, KM91, KM07, Lak96, LMT97, Lan59, MT85, MSH<sup>+</sup>16, MTV15, SE11, SO11, SC01, SIJ93, TBL19, TT18, Tra76, MT86]. **Synthesis** [BLP24, BT99, EH16]. **Synthesisable** [BH07]. **Synthesized** [AAHTH10]. **System** [ACG<sup>+</sup>87, Kor11, Kuk71, MS94, OTY91, Rot70b, Spr00, WB78, Fab02, Her82, ISO10, Ise94, Kaz65, KR86, ACG<sup>+</sup>86, Fik66, Mar90]. **system-theoretic** [Her82]. **System/360** [WB78, Fik66]. **System/370** [ACG<sup>+</sup>87, ACG<sup>+</sup>86]. **System/6000** [Mar90]. **Systems** [Bra65, Fri72, IEE08, Mey01, NKY08, QN18, Sin95, T<sup>+</sup>97, VDR05, Dem89, Gly89, LP83, Roc82, Bra87, SM70]. **systolic** [EM86]. **Szasz** [Sun88]. **Szego** [Rus88].

**T** [MCT18]. **T-count** [MCT18]. **T**. [T.57]. **tabellierten** [Sti53]. **Table** [Bea58, BEM12, Car87, Car88, Car92, Coh12, Fet81b, Fet81a, Fox54, Ful81b, GRJZ07, Hea65, Köl97, Lon59, Mac94b, PLT23, Sal51b, Sal53, SS97b, Sha76, Sou57, SW50, SS99b, Tan89a, Tan90e, Tan91b, Tan92, TM68, WMBE14, WD61, Car91, DC81, KPPS08, Par99, T.57]. **Table-Based** [BEM12, WMBE14, Mac94b, PLT23]. **Table-Driven** [Tan89a, Tan90e, Tan92]. **Table-Lookup** [Tan91b]. **Tables** [AS64, AS10, Ano48, Ano74, Arc43, BA44, Ben83, BC62, BL45, DK77, Emd40, Emd45, Emd48, Emd59, FC64, Fox60, GBS19, Ken14, Ken21, L.61, LFB60, LJ13, Luk71a, Luk71b, Luk72, Mit49, Nis84, Pai19, Rus13, dLSGDR17, SS97a, SS99a, SZ05, Str56, Uni49, V<sup>+</sup>75, War60b, Zwi03, Bar72, CH78, Lut95, Sal76b, SMCH41, L.61, Töl69, Töl70]. **Tables-and-Additions** [LJ13]. **tablitsy** [Bar72]. **tabulated** [Sti53]. **Tafeln** [Töl69, Töl70, Emd40, Emd45, Emd48, Emd59]. **Tail** [GSS12, GW91, Haw82, Lin90, Bry02, Düm10, Fet74, Lin89]. **tail-end** [Fet74]. **tailored** [CR08]. **taking** [BH99, Str59]. **Tampa** [Ric92]. **Tangent** [BH13, KB67, LP17a, Mar05, Pre78, Yun09]. **Tangents** [Pre55]. **tanpi** [Kah18]. **Taschenbuch** [Bar14]. **Taschenrechner** [Hen77]. **Tau** [ZB95, Zha95, Rap01, Zha96a, Rap94]. **Tau-method** [ZB95, Zha95, Zha96a, Rap94]. **Taylor** [Lip21, Fat16, Mül99, Plo01, SG02a, Sch76a, Sch77a, WV20, Ye17, Lov53]. **TC2** [Boi97]. **TC2/WG2.5** [Boi97]. **Tchebycheff** [Sti59, Tho65]. **teaching** [BL71]. **Technical**



[AGA<sup>+</sup>80, Moo67, PT80, 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].  
**Technique** [Rob55, Vol59a, Vol59b, Dan77, Har77, KMB94]. **Techniques** [CH70a, GT59, Mec68, Mul82, SH72, TBDS11, Cro92, Hon71, RN96, dDM06].  
**Technology** [IEE99, Lid01, Lid02, LMS99, ISO10]. **tekhnikeskikh** [PT80].  
**Teljakowskii** [Leh83a]. **Temme** [Köl87, DiD84]. **teooria** [Jür66]. **Term** [Gau67, BJ15, EG97, HS20, Kra14]. **Terms** [Tho65, UE05, AS97, BJLP19, Lóp18, MV98, Mor14, QM15, Sko05, Tem81].  
**Tesler** [Köl90]. **Test** [CHG<sup>+</sup>11, Cod91, Cod93a, Cod93b, Kah96, LL09, Liu87, Loz96a, Tan90c, Cod82, Gom89, KI16, Sid06, Tan91a].  
**test-case** [KI16]. **Testing** [DG99, Sch77b, Tan89b, Tan90a, Wil96, Kul07, LMS73, Squ91c, VCV01].  
**Tests** [Par06, Mac94b]. **tetragamma** [Che11]. **Texas** [IEE85, IEE13, Koo91, Koo91]. **Text** [Plo96, BW10]. **th** [CL11, CH89a, CH89b, Har14, Kog59, Rei69]. **theatres** [Sho86]. **Their** [AMM21, Amo73, AVV90, Dan82, DM86, Ike75, Ike76, Kor02, Leb65, Luk69a, Luk69b, Luk75b, Sam02, Tan91b, Wim81, Amo74, ABFP24, Ban01, Bar82b, Bar82a, Bar84a, Coc65, DM87, Din73, DC81, Dut86, FLO04, FKY86, GG08, Gau11, GS14a, ISO10, Jam89, Leb72, McN73, Mei64, MKS83, Neh07, PB82, RM07, Rit25, Sal51b, Sau93, SC01, SO89, Sun88, Tem79a, Wac00, Wei98].  
**Theorem** [Bor02, Ryb89, SG02a, Bor82, Dav35, EC79, Leh83a, Leh83b, Rus88, CK88].  
**Theorems** [Szm13, Wig67, CF00, Coh12, GKK00, MO49, MOS66].  
**Theoretic** [Ike76, Tal68, Her82, VB81]. **Theoretical** [AKS01, Sun71, Wen09]. **Theory** [Ach56, Ach92, AH16, BCJV18, BW00, BR91, Che70, GI01, Hob31, Hob55, IEE89a, IK05, Jür66, LKL02, Mei67, Mos72, Sid03, SL07, Squ70, Tan89b, Var95, Vla02, Wal00, Wat66, Wat95, AAS93, BG84, Car82, CT88, Fog51, Håv81, KS04, Koe16, vdD88, Mil68, Per85a, Ric88, Töl43, Töl50, Töl66, Töl67b, Töl67a, Töl68, Töl69, Töl70, Vil88, WO15, Ask75]. **Theta** [MT64b, Töl66, Töl68, Töl69, Töl70, BG84, FGG82, FNC75, Kuz15, Ye17, Töl66].  
**Theta-Funktionen** [Töl66, Töl68, Töl69, Töl70]. **Thiele** [Mak80]. **Third** [Boe61, Car88, Fet65, Fra65a, GST02d, Tem75a, War60a, ZC70, Bul69a, FvdHJT10, GST03a, Koo91, Lev91a, Bor02]. **third-order** [Lev91a]. **those** [GS14a, Tem79a]. **Thought** [Bow53a]. **thread** [Bai21]. **thread-safe** [Bai21].  
**Three** [Gau67, Per85a, BK16, DR89, HS20, PS79]. **Three-Term** [Gau67, HS20]. **threshold** [Lit89]. **Throughput** [AFC10, CCC96]. **Tight** [MDM16, TBDS11, BMST97, Wil96]. **Timan** [Leh83b]. **Time** [KR79, BY19, Bre18, Ebe89, Kre89, LP62, MC93, MC95, Mul06]. **time-** [LP62]. **Timed** [MIT<sup>+</sup>95, CCCP99, GREL96, LKKH99, MI97]. **tiny** [SG99].  
**together** [Rot70a]. **Tokyo** [Lav80]. **Too** [Kah04]. **tool** [PI16, VCV01].  
**toolbox** [RKZ<sup>+</sup>14]. **Tools** [Osi13]. **Topics** [Mil75a]. **Torino** [Ano98b].  
**Tornheim** [BB16]. **Toronto** [Hea65]. **total** [JMS98]. **Totally** [HR88]. **Tour**



[Sri07]. **Traces** [Tem83b]. **Tractable** [IR08, LBC11]. **Trade** [Kuk71].  
**Trade-Off** [Kuk71]. **tradeoff** [CL00]. **Tradeoffs** [WN03]. **Trans** [Joh87b].  
**Transcendence** [Mas75]. **Transcendental**  
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