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

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA
Tel: +1 801 581 5254
FAX: +1 801 581 4148
E-mail: beebe@math.utah.edu, beebe@acm.org, beebe@computer.org (Internet)
WWW URL: http://www.math.utah.edu/~beebe/

28 April 2021
Version 5.240

Title word cross-reference

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

(0, 2) [GRS87]. (1 + 2x)exp(x^2)erfc [SL81]. (a, b) ← (\frac{a+b}{1}, \frac{\sqrt{a+b}}{2}) [BB89].
(\eta, \pi) [BDG^+84]. (\eta, \rho) [BDG^+72]. (n, 1) [Kra85b]. (n, 2) [Kra85a].
(\psi(x) - \psi(y >))^2 [De 91]. −1/2 [CT67a, CT67b]. −∞ < N < +∞ [Kog57, Kog58b]. 0 [Col80, Col84]. 0 < N < 1 [Kog58a]. 0 ≤ x < ∞ [SL81]. 1 [AB93, NDT69, Pas92]. 1/2 [CT67a, CT67b, Fuk15d]. 1/9 [Mag94]. 1/n [Boy09]. 1/\sqrt{x} [TBDS11]. 10 [Col80, Col84, NDT69]. 1271 [Knu62]. $140.00 [Lip21]. 2 [Bak73, Bak75a, Bas01, BJK^+11, CL94a, CP99, LO95, MIT^+95, MC93, MC95, PZ95]. 29, 360, 000 [Bai88]. 2^p [Mer94]. 3 [Lin79a, NKY08]. 3/2 [CT67a, CT67b]. 38 [Gus78a]. 3j [SG76]. 4 [BH01, EL90, LA01, LA03, NL99]. $46.36 [Lip21]. 6j [SG76]. 8 [HF95, PZ95]. 9 [Wei98]. [−1, 1] [HR88]. [0, ∞)
In [ADW77a, ADW77b, Amo78, BGV81, Cam79, Cam84b, MG89], $P_{\nu}(\cos\theta)$ [Wil68]. $G$ [Lev91a, SS10]. $g_{s/2}$ [Mac97]. $g_{s/2}$ [Mac97]. $G_{\lambda}(\eta, x)$ [Bar82a]. $\Gamma$ [BB82, Sha76, BF92]. $\Gamma_3$ [CS11]. $H$ [KS04]. $H_1$ [AJ03]. $H_1^{(1)}(z)$ [AM79, AM84a]. $H_1^{(2)}(z)$ [AM79, AM84a]. $E_i(x)$ [CT69]. $I_0$ [Gil77]. $I_0(x)$ [Blas74]. $I_1(x)$ [Blas74]. $I_n(b) = 2\pi^{-1} \int_{0}^{\infty} \left(\frac{\sin x}{x}\right)^n \cos bx dx$ [Tho66]. $I_n(b) = \frac{2}{\pi} \int_{0}^{\infty} \left(\frac{\sin x}{x}\right)^n \cos bx dx$ [MR65]. $I_n(X)$ [Leh44]. $I_n(x + jy)$ [Sca71]. $I_\nu(x)$ [ADW77a, ADW77b, Amo78]. $I_{\nu}(z)$ [Tho04, Cam81, Cam84a, TB87]. $\int_{0}^{\infty} \frac{t^{\alpha-1} J_{\nu}(x\sqrt{1+t^2})(1+t^2)^{\beta-1}}{t^2} dt$ [Sch78a]. $\int_{0}^{\infty} e^{-t^2/2} p dt$, $x > 0$, $p$ [DiD78]. $\int_{0}^{\infty} J_0(t) t^{-n} dt$ [Lon59]. $f_n J_1(t) t^{-n} dt$ [Lon59]. $\int_{0}^{\infty} J_0(\gamma \sin x) dx$ [SF87]. $\int_{0}^{\infty} J_2^2(\lambda \cos \theta) d\theta$ [Won88]. $\int_{0}^{\infty} \exp(-ct) dt / \sqrt{1+t^2}$ [Act74]. $\int_{0}^{\infty} e^{-t^2 - x/t} dt$ [CP79]. $\int_{0}^{\infty} e^{-x/t^2} dt$ [Gau59]. $\int e^{(i+z a \cos x)} dx$ [Rut51, Rut51]. $J_0(x)$ [Bea58]. $J_\nu(x)$ [CK99]. $J_0$ [AM77, AM84c]. $J_0(x)$ [GM88, Let64, MG85, Sch64, WBR82]. $J_1$ [AM77, AM84c]. $J_1(x)$ [GM88, WBR82]. $j_0(x)$ [Del79]. $j_{1/2}(x)$ [Ben85]. $j_n$ [AM78b, AM84b]. $J_n(x)$ [Col80, Col84]. $J_n(x + jy)$ [Sca71]. $J_n(z)$ [AM79, AM84a, dT93, CMS83]. $J_n(x)$ [ADW77a, ADW77b, Amo78, BGV81, Cam79, Cam84b, MG89]. $J_\nu(x)$ [ES99]. $J_{\nu}(x)$ [LV96]. $J_{\nu}(a, z)$ [DK90]. $K$ [Cod66, FC64, Lau73, FC64, BST13, Cod65a, GS81, Bas01, Lem88, LC87]. $K_0(z)$ [Bur74]. $K_1(z)$ [Bur74]. $K_{\nu}(x)$ [BO75]. $K_\nu(Z)$ [Par72, DC81, LG79]. $K_\nu(t)/L(t)$ [LL72]. $K_\nu(t)$ [Cam81, Cam84a, TB87, Tho04]. $K_\nu(x)$ [Aha69]. $\tilde{K}_\nu(x)$ [BE78]. $\tilde{K}_\nu(x)$ [GP64]. $L$ [ZSA86, BB15]. $l(r)$ [Del84]. $l_2$ [GLT+15]. $L_\nu$ [Hei88, Ubb98, JMS98]. $\lambda$ [Bar84b]. $\ln(x)$ [MTP82]. $\log_2(1 + x)$ [MM90a]. $\log_2(x)$ [KP75]. $\log Z$ [Luk57]. $M$ [Kog59, SK11]. $M(a, b, x)$ [Mul01]. $m^2 + y^2 n^2$ [AB93]. $M_{k,1/2}$ [Lau73]. $G(2^{m})$ [RHML08]. $\mu$ [Kun81]. $N$
4


50th [Gau94]. 511 [ADW77a, Amo78]. 518 [Hil77]. 542 [Gau79a]. 549 [Eck80]. 55 [Her61a, Tha63c]. 55-b [MIT+95]. 56 [Her61b, Lar66]. 57 [Her61c, Tha62a]. 577 [CN81]. 585 [Bre82a]. 599 [Kö69]. 5th [Ano03, Gre16, IEE81a, IEE81b, IL07].


A-Priori [Krä87]. A.F. [Leh83b]. abc} [CLZ04]. Ableitungen [Töl68]. Abramowitz [Dav59, GJL20]. Absolute [MM91b, Mat90a, Fri77]. Abstraction [KL16]. abstracts [Spr00]. Academy [Mil75]. Accelerated [HR05, DGB82]. Accelerating [BMR04, Vep08]. Acceleration [Alb62, Boy90, Bra65, Bre66, CRZ00, DGS65, FFS83, Gus66, HBS00, Hom96a, Hom96b, Hom98a, IBM05, KP03, LB90, Osa90, Ovt03, Pas03, Sel93, SF79, Tre84, UE05, Wil12, Wyn72, Bre77, Che88, Del81, AG86, Ano67, BD85, Be90, 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, Mü13, Mü13, Mü99, Now06, Ole96, Osa94, Pas92, Pas08, Pas10, Pas11, RlD01, Sch68, Ses90, SL83, SS89, Wen89, Wen01, DGB80]. Accelerator [MLS+18]. accelerators [Sid06]. according [Töl68]. Accuracy [BBM84, BHK09, Gal85, GB68, Ike76, LDP93, Sal51b, SF59, Zag19, Bar81, Bar84b, Bra64, CC64, Gal86, Jab20, Krä88, Lo101, Sch80b, TB87, Bra87, Rot71, von80, Mü92]. Accurate [AM20, AFC10, ASA06, AM79, AM84a, Bee91, Bin68, DB13, FB91, Flo15, FR76, GB91, GST12a, GF88, HT13, Har09b, JGB13, JF16, KB90, LBC11, LJ13, Mac97, MNP83, MT85, MT86, SS97b, SS97a, SK11, Sho05, SS99b, Tan90a, Tan90b, Van89, VLCSFN+12, Zag17, ZOHRO1, von84, AM12, AIS+17, BCK+93, Che16d, DMMM95, DI 86, GST11b, Lut95, Mit92, MN16, NP18a, PKS00, PN85, SZ77, SS10, 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, Dri91c, Mat87, Squ91c, Squ91a, Squ91d, Squ91b, Tan90b, Tan91a]. Adaptive [BM04, ZCL15, Was89]. Add [BDL09]. addenda [Luk56b]. Addendum [Fra81]. adder [CP99]. Addition [SS97b, SS99b, MC91]. Additional [LM93]. Additions [LJ13, ITY96]. adds [Bic81]. Adelaide [KK99]. Ado [Kah87]. advance [BMR04]. Advanced [Luk99, Ask75, CDS00]. Advances [IEE99, VK95]. Aerospace [Fet81a]. affiliated [Bot02]. Again [Hin77]. AGM [Bre71]. ähnliche [Vö83]. AI [CM13b]. Aids [SR53]. Air [Fet81a]. Airy [BP67, CM13b, CH78, CJR91, CJR92a, CJR92b, FO99, Fab04, FLO04, FK19, GST02b, GST03a, GST20, HB75, JL12, Kra14, LO93, Mac94a, MPG92a, MPG92b, MP79, Moo81, Moo84, Pit75, Pri75, RS81, oKSAG79, SC81, TV09]. Airy-type [GST03a, GST20]. AIZ [GST02b]. Albuquerque [IEE91]. Alexander [Lip21]. Algebra [Fat16, Arm82, Fab02, Joh88, Tre80]. Algebraic [ACM89, Bre07, FS96, Lak96, Ris79, SE11, Her82]. algebraically [Boy09]. algebraically-converging [Boy09]. algebras [Hai60, Var95]. ALGOL [Tem79a, Chr62, Chr65, Fr66b]. Algorithm [ALMN05, ABJ19, BLM93, BV85, BO93, Bic81, Bor21, Bre74, BDK+05, Bur74, Cod83, CG58b, Cus83, DB13, Erc78, FFS83, Ful72, Gau64a, Gau73, Gau81, Gau16, 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, Pom74, Pre78, Ree90, Rel63a, Rol87, SG02a, oKSAG79, Shed93, SR14, Smi91, Sod73d, Sod73c, Taki01, Tem79a, VB04, VAA09, Vit68, Zag16, Zag17, Zen04, el76, AN68, Bie88, BKM94, Bar81, Bre18, BKL15, Bre78a, Bre80b, Bro89b, Bun09, Car72, CL94a, DMMN95, DAV12a, Dev12, EH89, Fdi97, Fet74, Fury83, GEK04, GST12b, Gou89, Gre82, Har14, Has00a, Jab12, Jab13, Jab20, KB89]. algorithm [KMY89, KYC10, LO95, LP88, LC96, LC97b, LMS73, Mat92, Mc77, Mit92, Mos69, NP18a, OY91, PN85, Per85a, SGA81, SS10, SD85, Ter81b, Tom00, Vep08, Wal71, WTM05, Wož10, ZLC04, AM20, Alh00a, ADW77a, Amo78, Amo83, Amo86, Amo90, Amo95, And00, BC09, Be60, Ber68, BP67, Bor21, BB74, Bra64, Bra70, Bre82a, BL94, CN81, CZ10, Cle69, Cob69, CP70, Cod93, Cun62a, Cun62b, Cun62c, CC64, Cyv64, DM92, Dor68, DR94a, Eck80, EC13, Fab64, Far69, Fet63, Fil66, Flo15, Fri67, Gau64b, Gau64c, Gau64d, Gau65a, Gau65b, Gau66a, Gau66b, Gau69a, Gau69b, Gau70b, Gau70a, GST02b, GST02c, GST04a, GST06a, GST11b, GST14a, GRAST16, Gou95, Goa97, Gra63a, Gra64, Gun65b, Gun65c, Gun65a, Gun67, HH18, Her61c, Her61a, Her61b, HP67, HJ76, HJ76b, Hil73b, Hil72]. Algorithm [Hil81a, Hils1b, HP85, Hol70, Ibb63, Jan77, Jef62, Joh87a, Kod07, Kod08, Kod11, Kö69a, Kö69b, Kö69c, Kö72a, Kop74, Kor11, Lar66, Lew75, Lin09, LC64, Lud63, Mac65, Mac68, Mac89, Mac96, Mey63, Mor76, Ng70, OW68, Pac70, PH66, PH67, Pit67, Pom76, PW90a, Pri75, RT61, RKZ+14, RS81, Red70, Rel63c, Rel63b, Sch78b, Sko75b, Sko75a, Sko78, SM70, Smi01, Smi11, TS69, Tha62a, Tha63a, Tha63c, Tha63b, Tho13,
VC06a, Vos73, Wie99, ZA11, eL79, vdR63, Zag19. Algorithmen [Müll90, Völ83]. Algorithmes [Bre78c]. algorithmic [Che81]. Algorithms [Alh00b, Ano68, AH16, Bak75b, Bre80a, Bre78c, CPCD19, CN81, CMW63, CH98, CHI+03, Del70, Dem76, Eps75, FLR03, Fun89, Fow93, GSG12a, God20, Gra63b, Gus86, Has90, Hill73b, Int03a, Int03b, JSH+11, LF92, dL70, Luk77, Mac89, Maj85, Mar72, MC87, Mi16, Mi91, Mi90, Nes84, Ng75, OS72, Pen81, Rus98, Sg92, Sor94, ST99, Tan91b, TBS11, Tem94b, Ter81a, Tro84, Vö58, WG91, WG94b, Abe16, AIS+17, Bak73, Bak75a, Bol06, BST13, BM80, Bre10, CL61, CO86, CHGM99, DAV12b, Egb77, EH16, EL94, EM03, GA08, Gor89, Har03, Kog89, Lit89, Luk99, Mat90b, MHH93, MC89, MM90b, Mul97, Obe99, Olv80, Saw02, Sch93a, Sch93b, Sch95, Tan87, Yey92, Fri72, IL07, Rix82, Tha62b. Algorithmus [Fil66, Rix82]. algoritmo [AN68].

all-order [KWY07b]. Alley [Hei96]. Allgemeiner [von80]. already [FKY86]. Alternating [Alb62, CR00]. allgemeiner [Alb62]. AMD [IM99a, Obe99, Rus98, Rus99]. AMD-K7 [Rus98]. AMD-K7 [Obe99]. Analogue [SR53]. analogues [GA08]. Analyse [CHG+11, Bre77]. Analysis [Abe88, BSY82, Das94, IM99a, IP87, Par99, Pri66, Pug04, SK11, Sle64, Sle78, Smi95, Tan91b, AGA+80, BCD+02, Bre77, Bre78b, CH78, CDJ+01, GST20, Has02, KW21, LP61, LP62, LC63, Mi16, PS93, Ris79, SA00, SP61, Sob88, vRdL88]. Analytic [BG84, BS98, DB13, Ric73, Tra76, TW80, BS00, BL71, Cri82, Fer86, Kza92, LP95, Mi93, Sea84, Sko04, Ter79, Tra76]. Analytical [Ano98, Dar70, Fuk14a, GM04, Sho60, CK89a, MWH+18, Van89, Hen77, Lov43, Lov89]. Analytically [IR08, LBC11]. Analytische [Hen77]. Ancient [BB12, Yon70]. Angular [Olv67]. Angular [TTW79, V+75, TTW84]. ANL [Kuk66]. Ann [IEE81a, IEE81b]. Anniversary [Gau94]. announcement [SSG+18]. Annual [Spr00, IEE89b, Koo91, Men06]. Anomalous [Gau77a]. Answer [Wal80]. Antonio [Koo91]. any [AG08]. APMathLib [ZOHR01]. Appearing [Squ70]. Appell [EG97, OOS99, TS76]. Appendix [Lov53]. Appl [Alz98, Ano84]. Application [AEF92, Hou81, IEE08, SF96, TBDS11, T+97, VDR05, Ask75, CB09, CD02, Cro92, EC79, Fab02, GS91, Hor17, LG79, LWF9, Lk56a, Luk56b, PB82, Sh188, ZX2ZH01, Lef05]. Application-Specific [IEE08, T+97, VDR05]. Applications [AKS01, Ban01, BS79, Bor02, Bow53b, Bow61, Cor61, Flo15, Gre92, Gre59, Hol90, JKD92, Koe16, Leb65, LKK19, MS68, Ng77, SK11, SC01, Sid03, Win81, XD18, AA93, BB15, Buc69, CZ94, C95, CDS00, CMV99, AEF92, IK05, K904, Kor02, Leb72, MS67, NU88, OSS09, PT80, RM07, Ric92, Sam02, SO89, TV09, Vek12, XC14, YC15, Ar62]. Applied [Car77b, ECSD20, HDG+15, GS91, MH08, TW80]. Approach [BJG+00, BM15, Gal85, Har97b, Ike76, Tal68, Bre88, BCG91, FK88, Gal86, GS14, JS99, Kre89, Lew94, LKF10, MWH+18, SA00, VPK99]. approaches [Wan16]. Approximant [Bar74]. Approximants
Approximate

Approximating

Approximation

approximation

approximation-theoretic

approximations

approximators

April

Aptitude

Aquifer

Arbeit

Arbitrary

Arbitrary-Precision

Arbor

arc

Architectures
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, Kol10, Mat04, Mec66, Min70, Mor76, Mor79, Smi95, Soo73a, Soo73b, Soo73d, Soo73c, Sou57, AM78b, AM79, AM84a, AM84c, AM84b, BY07, Büh87, Büh92, Cam79, Cam81, Cam84b, Cam84a, Di 86, Fuk10, GST04a, HTHR94, Kö14, KRVZ98, KB86, Lew85, Lew87, Sca71, TB87, Tur72, VC06b, YM97, Zak69, Zha96b, ZB97, de 77, dT93, T.57, Tho04]. Arguments [Arc43, Bur74, CP98, GB68, Gau65a, GT58, Jan77, Krä87, Raf70, RL80, Tho13, TM68, Bar82b, Bar84a, Bat19, Cai11, Cob69, CJR91, CJR92a, CJR92b, GST04b, GST15a, Krä88, Mass83, Moo81, Moo84, SG98, TB86, VPK99, Wal84]. arise [SL83]. arising [BG84, GST20, Har77, Ye17]. ARITH [BC01, BBdD17, IEE05, MSH+16, MTV15, TBL19]. ARITH-15 [BC01]. ARITH-17 [IEE05]. ARITH-26 [TBL19]. Arithmetic [Ber84, BHK09, BB84, BCDH09, BC01, BBdD17, DLM09, DHL+04, ES89, God20, Hul78, Hwa85, IEE81a, IEE81b, IEE05, IEE13, JF16, KM95, KK99, KM91, KM07, LMT97, MSH+16, MTV15, Sal76a, SO11, SOL81, Smi91, SLJ93, TBL19, Tan89b, Tan89a, Tan90d, Tan92, TT18, Ull90, von80, BG84, Bic81, BCK+93, Che71, CA00, Eps75, EMD82a, EM82b, GLM15, Hou81, HS20, Jol20, KMB94, LM00, LMT01, MT72, MH72, PH90, RN96, Sal89, Sch83a, Sch83b, 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]. Art [IP87, MHR91, PTVF07, Toc63]. articles [Ban01]. Artificial [AGL93]. ASAP [VDR05]. ASIC [WMDD09]. Asilomar [LMT97, Sin95]. Aspects [AKS01, Gau67, Fer07, Tem94a, Tem00, Tem07]. Assessment [Boi97]. assistant [BMZ06]. Associated [Bra73, BL45, Cle69, Fri72, Wim62, AB93, Bre18, CB12, CM13a, CE15, Che15a, Che15b, Che16c, CV03, GQ09, Sal89, SSG+18, SS65, SJ01, 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, Ten92, TV09, Tem15, Tho65, Wen07, Won73a, Won88, XHT16, XC17, YC15, ZZ11, AS05, Air37, Ano84, BB94, Che13b, CP15, Che15a, Che16c, CL16, Che16a, Che16c, CT16, CC17, DT09, DGS18, EW63, FLMR00, Fet79, FF54, FF57, FW58, FK86, GST03a, GST20, JW88, Kar01, KC11, LFM14, LW14, LNS15, Luk75b, Mac72, MP79, MC83, Mor11, Par02a, Par02b, Par03, Par16, Sal83, SLH06, Ten75b, Ten78, Tem79b, Tem83c, Tem85, Tem00, TC01, Wen96, Won73b, Dop42, Sch80a, Sch86, Tri50]. Asymptotical [WCS16]. Asymptotically [Wan82, Hom98b]. Asymptotics
[Gla74, Gla81, GT58, GT59, GM88, Har09, Har08, HF90, Har09b, Hil77, Hin77, Hit57, Hor17, Hum85, ISK78, IS88, IS90, IKK91, IS92, Ike76, IKF91, Ism77, Jab94, JL12, KW21, Kas80, KT00, KRT02, KKI67, Kor02, Kra14, KRVZ98, KB86, La86, La91, LM93, LW96, Lar69, Las82, Leh44, Len76, Len90, LG79, Lew69, LW82, Lin72, LK73, Lir71, Löp18, LU96, LM08, LO93, LS95, Luk59, Luk64, Luk71a, Luk71b, Luk72, Luk75b, Mac94, Mak65, Mar95, MG85, MG89, Mas83, MS68, Max91, Mel34, McL55, Mec66, Mec68, MV98, Mu95, Nag01, Nas84, NR15, Nes84, O'B80, Olv64, Par09, Par72, PSS03, PS77, PS79, PB82, Pie82, Pie84a, Pie84d, Pie84b, Pie84c, PA86, PT91a, PT91b, Po88, Rap94, Rap01]. Bessel
[RdC93, RKZ94, Saf10, Sai89, Sal83, Sca71, Sch64, SdCR97, SG99, SS10, Sol69, Soo73a, Soo73b, Soo73c, SA57, Tal83, Tal84, Tal09, Tem75a, Tem76, Tem79a, Tem81, Tem86, Ter81a, Ter81b, Tha79, TB86, TB87, VC06a, Ve11, VRS95, Wal84, Wat66, Wat95, WC90, Wil71, WBR82, Wim62, X18, YM97, YM03, Zai93, ZB95, Zha95, Zha96a, Zha96b, ZB97, Zh10, d'T93]. Bessel-function [Boe91].
[Hol69, Nin70, SS87, Zwi87, Kee94, Mag94, OG82, LW96, LU96]. bester
[Hol69]. Bestimmung [Hol69]. Beta
[BB74, BL94, DJ67, DM88a, DM92, OM68, PSB76, Sau92, Wis48, Gau64c, Gau64d, Lud63, Tem75b, TW80, PH67]. Beta-Function [DJ67].
Betrachtungen [Rut63]. Betriebssystem [Rot70b]. Better
[BB03, Wes05, BD02, LM00]. Between [BJG99, Hin77, Lar69, Le95, Car69, QL19]. Beyond [Ars81].
Bibliography [Ein79, Ful80]. Bickley [BEJ78]. bicomplex [Tre80].
biharmonic [Mon83]. bilinear [Kö168, Kö168]. Bilinear-Entwicklungen [Kö168]. billion [BBB89]. Binary [Che71, CVV65, DeL70, Har90a, Has66, LA85, dL70, Maj72, Mar72, Rot70a, Bak76, CKL89, FHL+97, Hig93, RN96]. binomial [Kra95]. Bipartite [SS97a, SS99a]. Birmingham [IP87]. BIT
[Frö63a, Kah87, RHML08, Ziv91, LMS73, Per85a]. Bit-Parallel
[RHML08]. Bivariate [Cad51, Div79, Dre78, JKM11, LW89, Ruy89]. BIZ
[GST02b]. BKM [BKRM94]. BLAST [Has00a, Has00b, ZLC04]. Blinn
[BD99]. bootstrap [LW89]. borné [Del81]. Borwein [Bre17]. Borweins
[Bai88]. Bose [Din58, Mac97, NDT69]. Boston [ACM87]. both
[RX07, Sca71]. Boulder [Mul82]. Bound
[AMS76, Jan11a, Jan11b, BJ15, BMST97, Cha82, CPG12]. Boundary
[LL09, AO08, Cro92, JS89]. boundary-value [JS89]. bounded
[Del81, GKL89, HR88, Zie89]. Bounding [Dü810, KHA93]. Bounds [Alb62,
Amo73, BST13, CCM11, FK11, IS88, La91, Olv67, Olv88, Rot70a, Tro84,
WK11, Yeh70, Yeh73, AM89, Be89, BW89, CD02, CS03, Fre09, ISR78,
Kra98, LW96, LKF10, Lit89, LU96, MJ13, Mor14, Par02a, SS98, YCZ15].
Bozeman [BL91]. Brahmagupta [KB89]. Branch
[Har97a, Jef17, Kah82, Kah87, Sht19]. Branches [JHC96]. Brent [BJ15].
Brook [Cow77]. Build [Sal92]. Built [Cow64]. Built-In [Cow64].
bulk [AM89]. Bureau [Mul82]. Burnside [Che16e, LFM14, LSM15, Qi14].
Byrd [Fet81b, Köl97].

C [Fet81a, Köl87, Sha76, Bak92b, ISO10, Kor11, Lau95, MHSK16, Sch88b, Sel93, SP20, Tho97b, USE88].
\textbf{C249} [Mar86]. \textbf{C9X} [McC02]. CA [SE11, IEE78]. Cairo [Wah04]. CAke [Bel89].
Calcolo [RS98, AN68]. calculate [Ped80, RdC93]. calculateurs [Ber84].
Calculating [Bag95, Gel51, God20, Kal34, Kod11, LaF54, Raf70, Sal51a, TS76, Abe16, AO864, DSK83, DSK84, Jab12, Jab13, Jab20, MKS83, Tal83, Tal84, Tal09].
Calculation [AS54, Chr62, DJ67, Div79, DP92, Fet65, Fet67, Fik66, FW84, Gau99, Gel51, GLR07, GT59, Har97b, Hon71, Kin21, Kin24, Kin07, Lin57, LP83, Mec66, MKY92, MM91b, Mor80, Mor78, Mor99, KR86, Saa91, SH72, SR53, SF59, Sp71, Str68, TM68, War60a, Zak69, vdLT84, Air37, AN68, Bul65a, Bul65b, Bul99b, Che88, DM91, Eve63, FMC82, HvdR63, Hor17, JL12, LR74, Len90, Mid75, MH72, MWH+18, Mou67, Mul85b, RL76, RS98, Sal89, Saw02, St153, VRS+95, VRS+99, Wei98, Köl87]. Calculations [DLM09, DPC95, GLT+15, Hen77, KKI67, Kor11, Len76, AJ03, Sal76b, Tri66].
Calculator [Hen77, MW83, Nor89, OMS09, Pag77, Egb77, Lin89]. Calculators [BR73, Cus83, Der77, Kir88]. calculus [FS96, SO89].
capability [Bie81, LMT+92]. Cape [IEE05]. Capital [MMH89].
Case [Cas83, EH16, OLHA95, SL78, Sou57, Eck77, Ein89, Gau11, Kra08, KI16, LW96, SK08, Sko04, T57]. Cases [Car89, LM03, LSZ08, SL205]. Caslin [Fet81a]. Cause [Zag19]. CD [Spr00].
CD-ROM [Spr00]. CDC [ADW77a, ADW77b, Amo78, Cod64]. CDC-3600 [Cod64]. CDF [Sho05, YBR11]. CELEFUNT [Cod91, Cod93]. cell [JL94, AK09]. cells [MO18]. Cellular [MK71, Maj72, CL95]. censoring [Ruy89].
Certain [Ano46, DeL70, Den76, Erc73, Lan60, DL70, Sch64, Srl70, Ver77, Abr45, Akr85, BC79, BL71, CCV11, De 91, EW63, GKP70a, Kra85a, Las82, Leh71, Lew94, LP95, MM95, MM98, RX07, SS93a, Sic76, SJW11, ZSA86, ZZ11].
Certification [Ber68, Bra64, Bra70, BL94, C0b69, Far69, Gau64d, Gau65b, Gra64, Köl69a, Köl69b, Köl72a, Kop74, Lar66, Lew75, Mey63, Ng70, OW68, RT61, Soo73d, Soo73c, TBDS11, Tha62a, Tha62b, Tha63c, Tha63b, vdR63].
Certified [CJL09]. Certifying [dDLM11]. Cesaro [MS87]. chain
[Paw11, Wil96]. challenging [Sid06]. Chandrasekhar [Jab12, Jab13, Jab20]. Channels [LB09, CDS03, SA00, SA05]. chaos [PH90]. CHAPLIN [BD14].
CHAPLIN-Complex [BD14]. Chapman [Lip21]. Characteristic
[Fri72, AB88, Bos89, Fuk09b, McN73, Cle69]. Characterizing [Kee82].
charge [MO18]. Charles [CK89a]. Chebyshev
[CT67a, Frö63a, Hol69, Per87, Bar61, Bla74, BEJ76, BEJ78, Boy14, Cod65a, Cod65b, Cod66, CH67, CT67b, CT68, CT69, CMV69, Cod69, CH70b, CH71, CST73, CM83, Dar70, Del79, Del84, EW76, Frö61, GP64, Hum64, KP03, LLK14, Luk76, MTT2, Ném65, NDT69, Per85b, Pie84b, Pri75, RS81, Sch78c, Sch80b, She74, She76, SL81, WC61, WBR82, Woo67, ZB97].
Checked [Rus98, Rus99]. Chemie [Sne63]. chemistry
[Sne56, Sne61, Sne63, Sne80]. chemists [Wen09]. Cherno
[CCM11, CPG12]. Chernoff-Type [CCM11, CPG12]. Chester [IL07]. Chi
[HP85, Rob69, Tho65, eL76, GST15b, SLD16, HP67, OW68]. Chi-Square
[Rob69, GST15b, SLD16]. Chi-Squared [HP85, eL76, OW68, HP67].
Chinese [Che81, Liu93, XLX+83, XL94, Yon70]. Chip [MLS+18]. choice
[Ge89]. choices [SL97]. Cholesky [Sch84]. Choong [Sha76]. Choosing
[SL97]. CIMPA [HUY07]. Circles [Kin21]. Circuit
[IEE89a, MIT+95, MCT18, Bel89, CCC96, CP99, HFS99, MI97, SL63].
Circuits [DM88b, Maj85, OTY91, Bel89, KK98, Liu95]. Circular
[Ano74, DJ62a, DJ62b, 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, Son82]. Classes
[OG82, Cri82, Kaz65, Liu93, Lu14, SZW11, Ubb89, ZZ11]. Classical
[Loz00, PS05, BG84, Hav81, Tem96a, Ye17]. Clebsch
[Buj75, Gun65a, RB75, SM77, SM78]. Clebsch-Gordan
[SM78]. Clever
[Kah04]. Close [Har66]. Closed
[GW71, Jan11a, Jan11b, RM07, XC15, CTV96, Dav88]. Closed-Form
[Jan11b, Jan11a, RM07]. CMOS [HFS99, TRHH94]. co
[DMS95, USE88]. co-processor [DMS95]. Coaxial [Kin21]. Coconut [AK09]. Cod
[IEE05]. Code [BdDKL15, RdC93, SdCR97]. Codes
[FLR03, Gus78a, SG99]. Coefficients
[Bra65, Buj75, Der77, RB75, SG76, Str56, Boy09, FNC75, FW80, Fra81, Gun65a, Luk56a, Luk56b, Sch76a, Sch77a, SM77, SM78, SMCH41, WV20, Ye17]. Coerror
[Amo73, Gau77b, Gau16]. Collection
[WNO94, Bat19, Sne63]. Collective [Sti88]. College [MC87]. Colorado
[BC01, Mul82, Luk99]. Coloring
[P12]. Columbia [Gau94]. Combination
[LA03, Lit83, Sho66]. 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
Companion [HDG+15]. Companion [JG65]. Comparison [And82, Ng75, SL95, LMS73]. Compared [FLR03]. Compatible [Tay81]. Compatible [BD99, LKK19]. complement [CL94a]. Complementary [Bai17, Cod90, FCC73b, VM19, Chr62, EL08, FCC73a, HR72, Phi79, RM07, Zak69, HJ67b]. Complete [AVV90, AVV92, Cod65a, Cod65b, Cod66, FC64, Goa95, Mer62, OM68, QG10, QV96, Sko78, War61a, BZ92, Boy15, Fet81a, Fuk09a, Fuk11, GM07, Ism77, MH72, Mor78, PDK96, Qi14, RT89, Far69, Her61a, Her61b, 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, Cod93, Cor61, Dor66, EW76, EM04a, EM04b, EM07, FK19, FCC73a, Fe76, Fri67, Gel51, God01, HFT94, Is91, Kah82, Kah87, Ken14, Ken21, Kod08, Kod11, Kol70, Kö72c, Krä87, Kuk72a, Kuk72b, Lan60, LT71, Mat04, Mec66, Neh70, Ng75, Par72, PS11, PP12, PW90a, PW90b, Rap94, Sal51a, oKSAG79, Sht19, Soo73a, Soo73c, TTV79, WEX14, Zaq19, AQ18, AM79, AM84a, AM84c, BKM94, BCD+02, Cai11, Cam81, Cam84a, CL11, Car95, CA00, CM83, CJR91, CJR92a, CJR92b, CDJ+01, EC13, FLO04, Fet81a, GST02b, GST02c, GJL20, Gon52a, HHR00, Joh20, JT85, Jär66, Köl84, Krä88, KRVZ98, KB86, LG79, Mas83, MY91, Moo81, Moo84, MH72, Mor78, Mor99, PS86]. complex [Rap01, Sca71, SK08, Squ91a, Squ91d, Str59, TTV84, TR84, Tem94a, TB86, TB87, Tho04, Tö67b, Tur72, YM97, Zak69, Zha96b, ZB97, dT93, Bea60, BD14, Gau99, Köl72a, RT61]. Complex-Valued [Mat04, PS11]. Complexities [NS09]. Complexity [AH10, BB88, RHMLL08, Vav89, Bel89, Bre75, Bre76b, MST89, Per85a, Tra76]. Compliance [Rus98]. complying [AHM+98]. Component [vRdL88]. compounding [Leh71]. Comprehensive [AWH13c]. Comput [Alz98, Ano84, Tho04, VRS+99]. Computation [ACM89, AS95, ARH14, Aha69, AH10, All00b, Amo74, ALB98, Bal00, Bee91, Bec17, Boe62, BB84, Bre06, BL94, Bro07, CS19, Che70, Che72, CJL09, CMF77, CVV65, Cri89, DM88a, DiD90, DM92, DM86, Dre78, Dub83, Ehr61, Ekl01, FLO04, Filö6, Fle68, Frö63b, Fuk14b, Fuk15a, Fu199, GSS12, Gau61, GST03a, GST12a, GST14a, GRAST16, Goa95, God01, HT13, HCK09, HKST09, Har09b, Has66, Hu78, JSH+11, JKD92, Joh14b, JM18, KT00, KB67, Kog57, Kog58b, Kog58a, Kog59, Kö72d, Lak96, Leh44, Leh96, Let01, LDP93, Loe01, LJ13, Luk57, Luk77, Mac94a, MMV81, Mar90, MR71, Mec68, Mü04, Nad15, NKY08, NPA16, ND70, Pea09, PB02, PEB04, PW09b, Rap94, Rob69, RHMLL08, Rot70a, Rot71, Rus13, Sal76a, Sar59, Sch85, SE11, Spo94]. Computation [Swe63, Tem79a, Tra60, VVA09, Wen96, XD18, ZJ96, AQL18, AGA+80, All00a, Bai88, BB15, BL96, Bat19, BM80, Cai11, Car95, CZ10, CH89a, CH89b, CA00, CD20, CD20, CCS03, CCV11, DMMM95, DKK80, DHM89, DK90, EH16, Fil92, FIl94, Fuk09a, Fuk09b, Fuk10, Fuk11, Fuk13a, Fuk13b, Fuk14a, Fuk15d, Fuk15b, Fuk15c, GI01, Gau63, GK70a, GS78, Gau94, Gau11,
GST02b, GST02c, GST11b, GST15b, GST17, GS99, HHv\textsuperscript{+}73, JJW86, Joh15b, JT85, Kat78, Kon76, KB86, Las82, LKK19, LK73, Mar81, MNP83, Mer94, Miy19, Mul85a, Mul86, NP18b, Ng84, POP17, PB82, Pie82, Pie84a, Pie84d, Rap01, Sar60, SS10, Tem83a, Tem86, Win74, XL94, Zah94, Zha96b, BL91, LCJ63, Mii90, SR53, von84, Köl90]. **Computational**

[BBC98, BBC00, Gaul97, Gaul97b, Ng75, Sun71, Tem94a, Win82, BW00, Gaul94, Jam89, SW88, Tra76]. **Computations**

[Ahr96, BH18, Erc75, Erc77, Kra93, MT85, Ng77, WG91, WG94b, Bel89, Dan77, Joh93, Kra98, MT86, Vav89]. compute

[BBB89, Boy15, EC13, Mac96, Per85a, Sca71, SSG18]. Computed

[Yoh70, Che09]. **Computer**

[AFI69, AFI71, Atk79, BH65, Bin68, BCDH09, BC01, BDdD17, CET62, DeL70, Erc75, Erc77, ES89, Fat16, Fik68, HCL\textsuperscript{+}68a, Hwa85, IEE78, IEE81a, IEE81b, IEE89b, IEE89c, IEE05, IEE13, JJ65, KB90, KM95, Kog57, Kog58b, Kog58a, Kog59, KK99, KM91, KM07, LMT97, dL70, Mar88, MSH\textsuperscript{+}16, MTV15, PH90, PW76, Pre55, Pri66, SO11, Swa90, SJ93, TBL19, Tan89b, TTT8, Tra76, Ull90, Wah04, WPG51, WPG57, WPG82, von80, AGA\textsuperscript{+}80, DSK83, DSK84, Fab02, GP84, Gu87a, Mc90, Pie84d].

**Computer-oriented** [AGA\textsuperscript{+}80]. Computers [An03, An06, CU59, Cus83, Has55, Köl90, Sin95, SA57, Ber84, RW77, Tak00, Tri66].

Computing [API\textsuperscript{+}19, Bow53a, Bur82, Cah54, Car79, DR98, DH59, DJ62b, DJ62a, DR94b, For97, Fra65b, Gau85, Gau86, GST02a, GST03b, GKS04, GST04b, GST06b, GS12, GST15a, HH18, Har97a, Ike76, IKF91, JKMR11, Joh16, Joh19, Joh20, Köl72e, Kuz15, LBDM16, LW63a, LW63b, Lin09, Lin72, LCY65, Mat05, MMR93, MMY91, Mul01, PTVF07, Rob55, ST07, SKL93, SL16, SZ70, SZ74, SZ76, Tak01, TTK17, Van99, Vol59a, YO03, ZA11, ZAG16, AK93, AIS\textsuperscript{+}17, BDM81, BPT76, BCDH09, Car72, Dom03, Fat74, Gab79, GST12b, GLM15, Har14, HHR00, hM12, Kan96, Köl84, KCYL06, KRZ98, Let96, MC81, PK74, PNV01, Pö69, Pro83, Puo88, Saf10, Sko05, Tho97b, Th97a, Vep08, XC15, Zen04, VC06a]. Concept [von80, Gon52b]. **Concerning** [Wre68, Arw82, CC17, SW88, Wre73]. condition [HS83]. **conditional** [Fuk13a]. conditions [JW88]. conduction [CMV69]. **conductive** [RdL01]. **conductive-convective** [RdL01]. Conference [AFI69, AFI71, An03, An06, Ban01, Boi97, BCEP94, Gre16, IE89a, IE85, IE89c, IE08, IP87, IL07, MMH89, MC87, Men06, Mul75, MS94, Mul82, SKL93, Sin95, Spr00, T\textsuperscript{+}97, USE88, VDR05, Wah04, ACM87, AGA\textsuperscript{+}80, BL91, AEF92, Mar85, Zah94]. configuration [Yos97]. **Confluence** [Nag04].

**Confluent** [AS95, GNS99, Luk59, Mii57, NPA16, Oly91, Sla60, Sla64, Tha62b, AS97, AG08, BUC69, BJLP19, CQSP04, DT09, DGS18, Gaul02, KW21, Lew44, Mul01, NP18b, POP17, Tem78, Tem81, Tem83a, Uni49, Rel63c]. Congress [Lav80]. conical [GST12b]. **conjecture** [CLZ04, EL01]. **conjugate** [MS87]. connect [CK88]. **Connection** [GSS12, Car69]. considerations [Wen01, Rut63]. consistent [Hom98b]. Constant [Ch11, Knu62, SWE63, AL20, Bau89, Blo88, BM80, CM13a, Che16a, Che16b,
Fuk09b, Lu14, LSY15, Luk56a, Luk56b, MWH

Construction [Ske86a, Skee86b, Dan77, Lit93, Lit94, OWS +14, Pas95]. contained [CC69]. Containing [NF63, Sch64, De 91, Las82, Lóp98, Mak65, Tem86]. Contents [Ful81b]. Context [FR98]. contiguous [Seg08]. Continuing [BS98, BS00, Müll93, Sko04]. Continued [Bar74, Bar82a, BS83, Che13a, CPV 008, Len76, Len90, Mor64, Pas03, She54, SB71, Smi95, Spi61, BC09, BHJ05, BS78, Cha80, Dij77, Gau77a, Hau88, JW88, Kra89, Lee92, Lem88, Lev91a, LSY15, LM15b, LSM16, MM90a, McC74, McC83, Now06, Pas92, RdC93, Sar60, SdCR97, Sha76]. Continued-Fraction [Smi95, Bar82a]. Continuous [PS93, Ebe89, GS82a, MS87, PS87, Som82]. Contour [ST07]. contoured [Was89]. Contribution [Chr62, Frö63b]. Contributions [Ng84, Ull90]. Control [Kuk72a, Kuk72b, Bel90, BL91, Bre83, Roc82, Mae60]. controlled [Kai89, Con]. Convective [RdL01]. Convergence [Alb62, Ano67, Bre78a, Bre82b, BGGB83, Bre85, Bre90, Chl11, CRZ00, DG83, DK82, GB90, Gsn66, Gsn78b, Gsn91, HP93, Har77, Han88, HBS00, Hom96a, Hom96b, Hom98a, Hom99, Is94, JW88, Kru99, Kza99, Kzl99, KP03, Lem88, LP98, LB90, Lev91b, Mat92, MH72, Müll99, Osa90, Osa94, Ovt03, Pas92, Pas03, Pas08, Sed90, Sch87, SF79, UE05, Wyn72, AL20, AGJ86, BD85, Bel90, BHJ05, Bre77, Br87, Bre78b, Bre83, Bre88, Bre99, BCG91, Cro92, DGB80, Del81, DF78, Fq97, FS92, Gau77a, Gs89b, Gs89a, Gs84, Gs85, HTH94, HR05, HR97, Hom94, Hom98b, Is91, Joh83, KI04, Lev73, Lev91a, LP95, Lou81, Lu14, Mat90a, Müll93, Now06, Ols96, Pas10, Pas11, PR04, PKP74, RD90, Sau93, Sch68, SL83]. convergence [SS98, Sidi06, Vep08, VPK99, Wen89, Wen01, Bre77, Del81]. Convergent [Bar74, BJLP19, God91, Lóp81, Osa90, UE05, Bai88, DGB82, FGG82, FF54, Ff57, Hom99, Lew94, Mcc81, WN09, Woz10]. Converging [Sp98, Sid06, Vep08, VPK99, Wen89, Bren72, Del81]. Convex [Din58, ITH6, Air37, Boy90, Jam89, Kat78, Sch95]. Convexity [GR92]. convexes [KK98, Liu95]. convexity [GR92]. convexes [KK98, Liu95]. convexity [GR92]. convexes [KK98, Liu95]. convexity [GR92]. convexes [KK98, Liu95]. convexity [GR92]. convexes [KK98, Liu95].

COSINE [Cun62a, Cun62c, SZ76, Tan90c, Tha61, Bak76, Har00, Jl94, PK500, Sali]. Cost [CL00, Dan82, FLMR00]. Cost/performance [CL00]. CoStLy
Cotes [Fre09]. COULFG [Bar82b, Bar84a]. COULN [NT84]. Coulomb [Abr64a, BDG+72, BDG+84, BFS74, Bar76a, Bar76b, Bar81, Bar82b, Bar82a, Bar82c, Bar84a, BFS84, Bar84b, Bar84c, BS84, Boe69, CH70b, CP70, DGA18, Frö55, Gau66b, Gau69b, Gun67, Hum85, Ike75, Ike76, Kö69a, Kö69b, Kö69c, Kö72d, LVO70, MKS83, Nes84, NT84, PAGA18, Sea84, SG72, TTW79, TTW84, TR84, TB86, Vos73, Wil71]. count [MCT18]. coupling [Gun65a]. course [BW00, Tka03]. Coverage [DJ62b, DJ62a, DiD90]. CP [LVV05]. CR [Ano14]. CR-Libm [Ano14]. Crandall [BB15]. Cray [???90, KB90]. CRC [Lip21]. Criteria [Ike76]. criterion [Fik67]. Critical [BH18]. crossover [PUHM12]. crunching [Atk79]. cryptography [Per85a]. cryptoprotocols [Per85a]. crystalline [Har77]. Cube [AH10, Dci26, Joh11, Lan42, Mnr88, PBLM08, Yoh70, Yoh73, Bur82, Pen81, R89]. Cubic [Car89, Flo15, WdZ04]. Cubiche [RS98]. Cubing [AH10]. Cumulative [Gil16, Ham78, Pag77, Pom74, Pom76, BKKC09, GST15b, MR18, Rev90, SE14, Wes05, Yun09]. current [BIS01, KK89, Liu95]. curvature [Ron86]. Curve [Che70, HJ67a, HJ67b, Hol70, Nor89, Sha85, Squ70, Ber68, Cho14, McC90]. Curves [Sch85, Nis94]. Cuts [Kah82, Kah87, Sht19]. Cutting [Tho93]. Cylinder [Dor66, Ml64, WR71, GST06a, GST06b, GST11a, GST11b, G12, GR92, Jon06, Kre89, LR74, MMV81, RL76, SGA81, SG98, SMCH41, Tem00]. Cylindrical [Kod08, Kod11, Mas83, KB86].

derivation [Din73]. derivative [CS82, CS83, DC81, GST11a, IKK91, LLK14, War75, Wen64]. Derivatives [Amo83, AG08, Dan82, GK70b, Ike75, Ike76, Lau73, SB71, Tem79a, XDA18, Bar82b, Bar82a, Bar84a, Bus74, Che81, Dom03, Fuku13b, GK70a, Joh15b, MP79, McC81, Smai89, Sun88, TV09, Tulf8, XC15, ZZ96, Gau66a]. describe [MO18]. Design [ASA06, BT99, BH01, BH07, CCC96, IEE89a, IEE89c, LKH93, LMS99, MCT18, OLHA95, Rev16, SS94, TBDS11, ZG87, SL97]. designing [WN03]. designs [CL94a, Sg92, SS93b]. Desirable [Hal78]. Desk
[BR73]. Details [Bai17]. Detection [QXG18], DeTemple’s [Che16b].
Determinant [CT88]. Determination [BB94, Hol69, Liu93, de 77, Ter79, VRS+95, VRS+99].
Deuxièmes [AEF92].
Develop [ACG+87]. Development [Lev73, PN85]. developments [Dop42, GST14b, Sch80a, Töl68]. Deviate [HD73]. diagonal [Kra89].
Difference [FK19, LA85, Olv67, CH78, Luk56a, Luk56b, OWS+14, QL19].
differences [MNP83]. different [Her71, KW21]. Differentiable [PS93, Pro87, Zie89].
Differential [BK16, Cas83, Cle69, Fri72, IS90, Ao08, Arm82, Dev12, EM94, FLO04, GST04b, HBF09, IS92, Luk56a, Luk56b, KR86]. differently [DM91].
Differentsiruemye [PS93]. differintegrations [Nis84]. Difficult [Alt79].
Difficulties [Lon81]. Difficulty [Tur69]. diffuse [MO18].
Diagonals [Köl72c, Lin79a, Moo67, Pai94, Fer07, Köl84, QM15].
Digit [ALM05, BL94, BTDS11, DM88a, DiD90, DM92, EM03, Kor05, LA01, PBLM08, Rus13, TBDS11, CA00, EL94, LKKH99, LE93, LP83, MC93, MC95, PKP74].
Digit-by-Digit [PBLM08, LP83]. Digit-by-Rounding [BTDS11, TBDS11].
Digit-Recurrence [ALM05, EM03, EL94, LE93].
Dimensions [Sle64, Pol49].
Dirac [CT67a, MN16, BDM81, CT67b, Din58, Fer86, Fuk14a, Fuk14b, Fuk15d, Fuk15f, Fuki5c, Goa95, Let01].
Direct [GBS19, HAK91, Kin24, Kin07, PDK96, LKK19, Ng68, Wei98]. direction [DR89]. directions [BIS01].
Dirichlet [BB15, BM15]. discrepancy [Pro88].
Discrete [JMS98, Mul85a, Roc82, Sle78, Per85a, Rei86, Tur72]. Discussion [BJK+11]. Discussions [Cah54, Ded26, Esc37, Kal34]. dispersion [CH78].
displacement [YH89]. Distance [Lef05]. distributed [Tak00].
distributed-memory [Tak00]. Distribution [Dor68, Gil16, Ham78, HJ67b, Hil70a, Hil77, Lin09, Mar65, Mor04, Mor80, PR82, PR96, Pom74, Pom76, Rob69, Sh02, Sh05, Tim87, VLCSFN+12, YBR11, Bad76, BKKC09, Cyv64, DCS1, Fet79, FW84, Fuk14b, GST15b, HB75, KPPS08, Mac68, MZM94, MRS18, Rev90, Sh86, Ved93, Wri84, Yun09, Hil81a, eL79]. distributions [SZW11, Wan82, ZZ11].
divergent [Wen89, Wen96, Wen10]. Divide [BH07, CH98, D+89, GBKK09, Int03a, PZ95, SL95, Wil70, ZG87, AGS99, BH01, CHGM99, Mat90b, MM92, Saw02, WMDM92]. Divide/Square [SL95].
divided [MNP83]. divider [LMT+92]. Divine [Bat07]. Division [BR73, CHI+03, CL94b, EL94, EIM+00, Int03b, IM99b, IYT95, JJP65, Kah99, KM97, Kor05, LM95, LA03, LF92, LD89, MIT+95, Nan11, PB02, Rus98, Sar59, SL97, Tra60, WG92, AHM+98, ALB98, BMR04, CL94a, CL95, EL89b, EL89a, EM03, Fan89, GREL96, HTHR94, HF95, IYT97, KM93, KMB94, KP98, LM99, LK93, LKKH99, MI97, MMW91, NN99a, MM93, 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]. DLMF [Loz00]. dlya [PT80]. do [Ped80, Wen09]. Docev
[Ano84, Sal83]. Document [MIHSK16]. 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, Ano14, GKK00, HHv+73, Hon71, MS87, Paw11, Ped03,
Tem86, TE06, WGG94a]. double-index [GKK00]. Double-Length
[SH72, HHv+73, Hon71]. Double-Precision
[Cod64, God20, Kin65, Swa65, Ano14]. Downward [GM04]. Driven
[ASA06, Tan89a, Tan90d, Tan92]. drobno [Saa91]. drobno-ratsional’nykh
[Saa91]. DSP [BJG+99, BJG+00, LP16, MKY92, Ste89, WMD92, dDP10].
DSP-Enabled [LP16, dDP10]. DSP-Oriented [MKY92].
dual [KMY89, MI97]. dual-rail [MI97]. Dualmaschinen [Rot70a]. Duma
[Köl90]. duplication [Car79, Fük13a]. durch [Sti53]. during [Bre00].
Dutch [Dop42]. Dynamic [Mül89, Dem89, Krä88, MI97]. Dynamical
[Mey01, Ise94]. dynamics [AGH89, Ise91]. dynamischer [Mül90]. Dyson
[Hon96a]. Dzjadik [Kon76].
early [Dut84]. eBook [Lip21]. ECCTD [IEE89a]. Eclectic [Sti07].
Economic [SK71]. edge [Mü92]. edition [Fet81b, Kö97]. Editor
[WTA+90, Cat86, Fik67, Kin65, McC90, Rev90, Swa65]. EDSAC [WWG82].
Education [LMS99]. effect [Lit93, Lit94]. Effective
[WB08, HMO19, Kra85b, AM89, Jab12, KC11]. effektivnom [DZKK77].
efficiencies [Jam89]. Efficiency [Zag16]. Efficient [Ahm89, AIS+17,
BCE+08, CL94a, CVW06, DJ67, DZKK77, Flo15, Fow93, FR76, GST12a,
GST17, GLT+15, ITY95, ITY97, Joh14a, Joh15a, Joh87a, Kir88, KB86, LL09,
LJ13, NKY08, PW90b, Ric73, SW99a, SK11, Smi89, Spi61, Tan90a, WS05a,
Wo210, Zag17, AQ18, Bak75a, CGKZ05a, CGKZ05b, Dan77, Ell83, Has00a,
HF95, Joh87b, LKH93, Mac97, MCB9, Sun15, Tom00, Vep08, Wal84].
efficiently [NL94]. Effusions [Bat07]. Egypt [Wah04]. Eigenschaften
[Tri50]. Eigenvalue [Ovt03]. Eigenvalues [SS65, Sti53]. Eigenwerten
[Fil66]. Einschließung [Sch68]. Einstein [Din58, Mac97, NDT69].
Electrical [Wah04]. electrochemical [MO18]. Electromagnetic [LLK02].
Electronic [BR73, Kog57, Kog58b, Kog58a, Kog59, Köl90, Rob55, Wah04,
WWG51, WWG57, WWG82, Har77, Tri66, WO15]. electronic-structure
[Har77]. Electrostatics [Mul95]. element [LG79, Mon83]. Elementarized
[Jü66]. élémentsaires [Ber84, Laz85, Mul85b, Mul86]. Elementar
[Töl43, Töl50]. elementaren [Rot71, Völl3]. Elementarer
[Emd40, Emd45, Emd48, Emd59, Fil66]. elementarnykh
[Bar72, DZKK77, LCJ63, LP83, PS93, Saa91]. Elementary
[ACG+86, Ahm89, AFC10, Bak75b, Bak92a, BSY82, BBM84, BB84, Bra87,
Bre76a, Bre80a, Bre06, Cod71, CW80, Cod91, Cod93, CB87, CVW06, Dam94, Dav81, DeL70, Dri89, Ekl01, Emc40, Emc45, Emc48, Emc59, Erf72, Erc73, ELMT00, ESD20, Far81, Fil66, Fra78, Frö61, Frö63a, Gal85, GB91, GL83, Gon52a, Gon52b, Gys86, HKA93, Hu178, HFT94, JGB13, Jol15a, Jüö66, Kah82, Kan87, KDDH92, KB90, Kog66, KZ90, Krä87, LM03, Leh96, Liu87, LJ13, dL70, LCY65, Mar72, Mat87, MLS+18, MCM90, Mor64, Müö90, Mul97, NS09, Nky08, Nis94, OTY91, PW76, Ric68, Rit25, Rot70b, Rot71, Sal92, SS94, SS99a, Spö61, SDP11, Tan89b, Tan90b, Tan91b, Tho87, Tur72, VöI83, Wan74, WG91, WG94b, Ziv91, Zuc64, dDL11, von80, von84, ACG+87, AM78a]. **elementary**

[Ano14, Arm82, BKM94, Bak73, Bak75a, Bar72, BBD03, Ber84, BL71, Bor88, BCD02, BD02, Bre75, Bre76b, Bre10, Bro89b, Bro89a, Bro90, BJLP19, Car69, Car90, Che81, CA00, Cle54, Cod82, CDJ+01, Dan77, Das94, DMM95, Dri91d, Dri91a, Dri91c, DM88b, DK77, DF78, DZK77, Eps75, EC79, FLMR00, Fer86, Fog51, Gal86, GM84, Hai60, HHv+73, Her69, Her71, Hit57, Jol81, Kais89, Kaz65, Kog60, Kon76, Kra85a, Kra85b, Ku52, Laz85, LM07, Lin57, Liu93, LCJ63, Loe01, Lop18, vdD88, Lut95, LP83, MS67, Mak65, Mak80, MTT2, Mar81, Mar90, Mar00, Mar03, Mc77, Mer94, MY91, MV98, Mul85a, Mul85b, Mul86, Nag68, Nis84, OGWY94, Olv80, Peö63, PKP74, PS93, Ric88, Ris79, KR86, Saa91, Sai89, Sal76b, Sg92, SS93a]. **elementary**

[SS93b, Shi93, Sho60, Sim64, Sni89, Spe72, Squ91a, Squ91d, Squ91b, Tan91a, Tes69, Töl43, Töl50, Tre80, Wal71, War60b, WG94a, WG95, XLX+83, XLI4, ZSA86, dDM06, PBMS6a, Töl43, Töl50]. **Elementary-Function** [BBM84]. **elements** [Mus87]. **ELF** [SG99]. **Elfun18** [Bat19]. **elimination** [EH16]. **Ellipse** [Adl12]. **Ellipsoid** [Hol81, Hol55]. **Ellipsoids** [DR94a, DR94b]. **Elliptic**

[AV90, AVV92, Ars62, Boe61, Bow61, BF71, Car77a, CN81, Car87, Car88, Car89, Car92, CG94, Car99, Cod65a, Cod65b, Cod66, DH59, Eck80, Ehr61, FL67, Fet65, FC64, Fra65a, Fuk15a, GW71, Glu71, Gre92, Gre59, Hol90, Kin24, Kin07, Lue60, LW63a, LW63b, Lü000, Luk68, Luk70, Mas75, Mer62, Mey01, MT64a, MT64b, NC66, PS05, PT90, QV96, QV99, Sch88a, Sch85, Sid95, Sko78, Sus64, SMCH41, Tka03, Van69, War00a, Wri73, ZC70, Ali11, Bat19, BZ92, Boy15, Bul65a, Bul65b, Bul69a, Bul69b, Car79, CG85a, Car91, Car95, CF00, Car05, Cri89, DCL+92, Eck77, Far69, FG82, Fett81, Fett81a, Fett84, Fuk09a, Fuk09b, Fuk10, Fuk12, Fuk13a, Fuk13b, GMMIDM13, Gra02, Hay56, Her61a, Her61b, HvdR63, Jef62]. **elliptic**

[Köö97, Lan80, Lar66, Mey63, Mid75, MH72, Mor78, Mor99, MO18, Nis94, PDK96, Paw11, Sch76a, Sch77a, Tha63a, Tha63c, Tha63b, Töl67b, Töl67a, Töl69, Töl70, VM87, VPK99, Wac00, vdR63]. **Elliptical**

[Di90, Töl67a, Töl67b]. **elliptically** [Was89]. **Elliptische** [Töl67b, Töl67a]. **elliptischen** [Töl69, Töl70]. **Eloquent** [Adl12]. **embedded** [Ste08]. **Embedding** [von80]. **Enden** [Rut51]. **Emphasis** [BS98, Bac69]. **empirical** [Ruy89]. **Enabled** [LP16, LP17b, dDP10]. **enclosure** [Sch68]. **encoding** [ZXBZH01]. **end** [Fet74]. **energies** [BS84, TR84]. **energy**
Bar84b, LVV05, NT84, Sea84, Sti88]. **engine** [CK89a, Lov43, Lov89].

**Engineering** [RW04, Wah04]. **Engineers** [BF71, McL34, McL55, And98, Bar14, Bel68, Bel04, Fet81b, Köl97, Lau95, Lau04, Sen67]. **England** [KM95].

**English** [AEF92, Hom96b]. **Enhanced** [BHK09, ZCL15]. **Enhancement** [Boi97]. **ensembles** [AEF92].

**Entire** [BDG72, BDG84, Zal89]. **Entwicklungen** [Sch80a, Tol68]. **environments** [ISO10]. **Episode** [Ful99].

**epsilon** [GS14, HL13]. **Epstein** [AB93]. **Equal** [KP75]. **Equation** [Bra65, Cle69, Flo15, Fri72, GS12, Mon83].

**Equations** [Cas83, Cow64, FK19, HBS00, Lir71, Olv71, AO08, Arč08, BB89, Boy14, EM94, HBF09, Luk56a, Luk56b, PS77, PS78, PS79].

**Equator** [OMS09]. **Equianharmonic** [Sou57, T57]. **equivalence** [Her71].

**ERF** [HJ67b, Che09]. **ERFC** [Che09]. **errata** [Amo84, Coh12, Fet81b, Fet81a, Kol97, Sha76]. **Erratum** [Amo84, Fø63a, LW63a, Szm13, Tho04, VRS99, Wre73]. **erreurs** [Del81].

**Error** [ABJ19, Bai17, BS89, Bre83, Bre99, Car63, Car75, CC11, CR86, Chr65, Cod69, Cod90, DJ62a, DD07, FCC73b, Fra78, Gau61, Gau64a, Gau69a, Har66, Has02, Jan11a, Jan11b, KP69, Köl87, KK20, Krä87, Muk72a, Muk72b, Lip12, LB09, MR71, MI89, MM91b, MüI90, NSR10, Olv88, Par02a, Plo01, PW90a, PW90b, Sal51a, Sho02, Str68, Tan91b, VM19, WD61, Woo67, Zag19, AQ18, Akr85, BeI90, BJB76, BJ15, CST18, CD02, CDS03, Del81, EL08, FCC73a, Fet74, GK70a, GL15, HJ67b, HR72, KW21, KöI72a, Kra98, Kra14, KT59, LS88, Lü93, Lit94, Mag94, Mat90a, McC74, Phi79, QXG18, RM07, Sch78c, SK08, Vau59, Wil96, Yun14, Zak69, vdLT84, All62, HJ67b, SZ70].

**Error-Like** [Kiol87, vdLT84]. **Error-Optimized** [ABJ19]. **Errors** [Bra65, CJL09, KP75, Bor10, Wen07]. **essays** [War08]. **essentially** [LP62].

**est** [Del81]. **estimate** [McC74]. **Estimates** [Fra78, Krä87, McC84, Ovt03, Per55a, Per87, QV96, BD85, Bre99, CG89, Che13a, Mar85]. **Estimation** [CKL89, Dem89, GK99, Mat90a]. **Estimations** [Ele15]. **estimators** [LW89, Wau82, vRS99].

**Estonian** [Jüü66]. **ETAPS** [Bar02]. **étude** [Bre78c].

**Euclidean** [HH18]. **Eugene** [Tal68]. **Euler** [AL20, Bau89, Bor10, BM80, CM13a, Che16a, Che16b, Chl11, Dav59, HG64, Kar01, Knm62, KB67, Lin79a, Lu14, LSY15, Rz42, Swe63, XC17]. **Eulersche** [Bau89]. **European** [IEEE89a]. **evaluate** [McC77, SdCR97, SG99].

**Evaluating** [BCE+08, Dan82, KZ90, Lin79a, LS95, Mar04, Wac00, Whi63, FLMR00, FGG82, NT84, Mu82]. **Evaluation** [AM20, ATM78, AJMT81, ABJ19, Bar61, BSY82, Bre76a, Bur74, CET62, CM13b, CR18, Cod90, CP79, DeL70, DM88b, Erc72, Erc73, Erc75, Erc77, ECSD20, Far81, Fik68, Fra65a, Fra78, FR76, Ful80, GA08, Gau77b, Gau16, GST02d, GJL20, Gme66, GW71, GN89, GB919, GM04, Hay56, HS20, Jaf94, JMR11, JGB13, JF16, Kuk66, Lan60, LL72, Lin78, Lin79b, LW82, LB09, ML70, Mar72, Mar88, MTP82, MR65, NC66, PS11, PW90a, Ric73, dLSGDR17, Sch78a, SG76, oKSAG79, SC17, SF87, SG72, Tak66, Tem75a, Tho66, WOG95,
Zag17, Zag19, Ziv91, BC79, BDGP13, BBC14, Bar82a, Bar82e, BS06, BO75, BZ92, BBC08a, Bre18, Brè75, Bre76b, Bun09, CY18, CGKZ05a, CGKZ05b, CLM88, CJR91, CJR92a, CJR92b, DF84, Di86, Dun90, DM88c, Ein79.

evaluation [EW63, Fis73, FW85, GS81, GEK04, GST20, Gra63b, GM07, HF09, Has02, HR72, KV21, LVV05, LGML05, LO94, Mac97, MT72, MZM94, Max91, Mil89, MN16, NSU20, OGWY94, PKS00, Par09, Pas95, SGA81, SZ77, Smi89, Tem76, Wal84, WO15, Wen64, Wil71, WG94a, WG95, Zai93, Cun62a, Cun62b, Cun62c, 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 [Bo106, Plo96].

Excellence [Lid01, Lid02].

Exception [HFT94].

Exchange [ABJ19, SR81].

Execution [Bai93].

Exercise [BB12].

Existence [Som82, Wan74].

existing [FKY86].

exp [BBC08a].

Expansion [FO99, Kim72, Luk59, LC61, ND19, Pie84c, Sch64, Tho65, Van69, Won73a, Won88, Wyn60, AS97, AS03, Ali11, CG85a, Dij77, Ehr89, Fet79, GST03a, GS14, HL13, Kal04, KWO7a, KWO7b, LW14, MMV81, McC74, Nag01, NP15b, Par02a, Par02b, Par03, Par16, PHH08, Sch76a, Sch77a, Tem79b, Tem81, TC01, Won73b].

Expansions [Boe69, Cod65b, Cur64, Din58, FW61, GHT03, Hom98a, Hum64, Lóp00, Otv91, SR53, She74, She76, Sle65, Tha61, Wim62, WR71, W067, AS05, BF92, Bor10, BLJP19, CE15, CP15, Che15a, Che16e, CL16, Che16a, Che16c, CT16, CC17, CM83, CB87, Din73, Dom03, DGS18, Fuk12, Fuk14a, Har00, Hum85, Kat78, Lan80, LT13, Lóp18, Luk75b, Luk76, Mac72, Nag04, ND19, Ném65, Rza12, Sch78c, Sch80b, Tem75b, Tem78, Tem83c, Tem85, TV09, Wim72, XHT16, XC17].

Explanatory [Ful81b].

Explicit [Buj75, McC84, RB75, GF97, Kra14, OG82]. explicitly [SE14].

Exploring [Sho02, SL97].

Expm1 [Tan92].

Exponent [BHK09].

Exponential [AAHTH10, AS10, Bee99, CET62, Caw00, CLOT86, CT69, Cor61, Fri72, FK11, Gau59, GC64, Gau73, God20, HJ96, HA86, Kar84, Kös87, LP17b, LSZ08, Mil85, Ng70, PS11, PE04, Red70, Sch99, Smi11, SZ74, SZ76, Sto41, Tan88, Tan90a, Tan90a, WL11, Zuc64, BS95, Be06, Bor10, Bra84, BT99, Che71, CD02, CDS03, CLM88, CT68, DR04, Dri95, DR89, Fog51, GHT03, GEK04, Har00, Has02, JMS98, Kan96, KSWV07, Luk56a, Luk56b, Mag94, MNP83, NP18a, Ng84, Otv94, PBE03, RT61, Sab08, SZ77, Sti53, WD04, XC14, XC15, dDP10, vdLT84, Pac70].

Exponential-Type [FK11].

Exponentially [Otv91, PW92].

Exponentially-improved [PW92].

Exponentials [Che72, ZLA13].

Exponentialsummen [St153].

exponentiation [CC69].

Expression [Cun62a].

Expressions [BFHT85, Sho60, SF10].

Extended [CQSP04, SOL81, KPPS08, KA71].

extended-precision [KA71].

Extended-Range [SOL81].

Extension [ARH14, Hea65, Rus88, Bul69a, Dav35, Ge89, Kai89].

Extensions [Ein89, ISO10, Sle64, Ker83].

Extracting [Esc37, Pen81].


Extractor [HAK91].

extracts [Fre81, Lov53].
Extrapolation

[Bre82a, BR91, GSS12, Sid03, Bre80b, Hav79, Hav81, Saf10, Wal96].

extreme [YM03]. Extremely [TKK17].

F [Ars62, Coh12, Fet81b, Köl79, Szm13]. Faber [Ell83]. factor [Air37, Car91]. factorial [Bor10, Fer07, Wen10]. Factorization [JF16].

Factors [Car92, Din58, Sch84, CF00]. Faddeyeva [Zag16, ZA11, Zag17]. Fading [LB09, SK11, CDS03, SA00, SA05]. Failure [KI04, Wan82].


[AM20, Ahr96, Ano12, Bec99, BS06, BB84, BZ92, Bre76a, Bre06, Caw00, CH89a, CH89b, CJL09, Fuk09a, Fuk09b, Fuk10, Fuk15a, GST11b, GLR07, Gus86, HT13, Har99b, Hei96, HJ96, HMO19, ITY95, JGB13, Joh14b, JF16, JM18, KB90, KP98, Mar05, MWH+18, NP18a, ROL87, Sch99, Sor94, Tro84, WG91, WG94a, WG94b, WG95, Ziv91, Bak76, Bun09, Bur82, DMM95, Fuk11, Fuk13a, Fuk15d, Fuk15b, Fuk15c, GEK04, Has00b, Lyo91, Mar03, Mit92, OGWY94, PKS00, Phi79, Tom00, Zim00].

Fast-Start [Mar05]. Faster [Bow53a, Fil92, LKK19, DM91]. fatigue [Sob88]. Favard [GS82a].

Finding [CH70a, Bre75, Bre76b, Jam89, KI04, Lya91, Vai89]. Finite

[BM15, Bus74, HCK09, Lew69, Mü04, Sch85, Fog51, Hai60, KCYL06, LG79, Lu96, Mon83, OWS+14]. First [Ban01, Bar10a, Bea58, Bra70, Car77a, Cod83, DH59, ES99, FL67, FK11, Gau64a, Jab94, LW63a, LW63b, Pie84c, Rec90, Sko75a, Van69, Vel11, BL96, BZ92, Boy15, CG85a, Cha82, Cob69, CV03, DAV12a, DAV12b, Fet81a, Fuk10, Gau65b, Her61a, HydR63, ISK87, IS88, LW96, LU96, Mor99, Sca71, SG99, Tha63c, Wal84, YM97, Zai93].

First-Order [FK11]. Fitting [Sto41, BCG91, Phi79]. Five [MW83].

Five-Function [MW83]. Fixed

[HHR00, IP17, MLS+18, dDIS13, dIII15, LBdDM16, Vav89]. Fixed-Point [IP17, MLS+18, dIII15, dDIS13, LBdDM16]. FL [Lip21]. Flesching [MS16].

Flexible [IP17]. Floating

[AAHTH10, Bli97, Bra87, CH98, D+89, DHL+04, GB91. Has90, Hul78, JKMR11, JMMW79, Keh80, KMB94, LP16, LP17b, LM15a, LD89, MMNP91, Ob99, Rev16, Rus98, Sch88b, Smi91, Ste08, Tan89a, Tan90d, Tan92, WS05b, dDP10, dDLM11, BBC+91, BWKM91, BCK+93, Bøl06, BMR04, CHGM99, FHL+07, GLM15, Hou81, HS20, Kra98, Klu07, MS16].
LBdDM16, LKH93, LC97a, LMOT01, MT72, Mat90b, OY91, OJ04, PKS00, Rus99, SF93b, Smi01, SL97, Ste89, TE06, TRHH94, VCV01, WN03, dDM06].

Floating-Point [AAHTH10, Bli97, Bra87, CH98, DHL +04, Has90, Hul78, JKM91, JMMW79, Kuh80, LP16, LP17b, LM15a, LD89, MMNP91, Rev16, Smi91, Tan89a, Tan90d, Tan92, WS05b, dDLM11, dDP10, BBC +91, BCK +93, Bol06, BMR04, CHGM99, FHL +07, GLM15, Hou81, HS20, Kra98, LBdDM16, LKH93, LMOT01, MT72, OY91, OJ04, PKS00, SF93b, Smi01, SL97, Ste89, TRHH94, VCV01, WN03, dDM06].

Florida [Men06, Ric92].

ous [AEF92].

ow [Joh83].

ows [Fei78].

y [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, MH19, Rus13, Saw02, Bol06].

Formally [BDL09, Wyn60].

Format [LSZ08, MMNP91].

Norm [Kra87].

Formeln [Bar14].

Formelsammlung [Sne63].

Formel [Adl12, Sau92, Spi71, Sun71, CL16, FNC75, FO93, GF97, Har01, KC11, Kza99, LFM14, LSM14, LSM15, LM15b, LSH16, Mak80, Mei83, Qi14, Sch77a, Sne63, Wei98].

Formeae [Kin21, KP03, Wm88, Ak85, Jan89, RX07, Ver77].

Formulas [AS64, Boc61, Boj75, Car70a, Coh12, DH59, Gas81, LW63b, MO49, MOS66, RB75, Sal51a, Ske86a, Ske86b, Bar14, Che13b, Che15a, Che16e, CS11, FKY86, Kza92, Let96, Mor11, OSS09, Sim64, WCS16, XC15, YC15, LW63a, Wig67, Zsm13].

Forth [Koo91].

Fortran [HH18, Amo83, Bai93, HKA93, KDDH92, Kuk66, KA71, Sca71, Smi91, BD14, CZ10, Col80, Col84, EC13, GST02b, GST02c, GST12b, GN89, KDDH94, NSU20, SG +08, Sh19, Smi01, Tho97a, WNO94, Wie99, Zag16].

Forth-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, Boy09, CZ95, HFB09, Hom98b, LP61, LP62, Lan80, MS87, Ole96, SP61, Sle64, Sle78].

Fourth [Atk79].

Fox [MM95].

FPGA [DR04, TVG00].

FPGA-based [DR04].

FPGAs [IP17, LP16, LP17a, LP17b, LC97a, WN03, dDP10, dDIS13].

FPD [AHM +98].

fractals [PH90].

Fraction

[Ba84, She54, Smi95, Spi01, Bar82a, Cha80, Che13a, Dij77, Gau77a, Kra98, Lee92, Len90, LS15, LM15b, LSH16, MM90a, MC74, MC83, SC19].

Fractional

[Ano46, Ant64, CMF77, MG85, PT91a, PT91b, Sai89, VM87, ZZ96, Abr45, GM88, KTO0, KRT20, MG89, MPG92a, MPG92b, Nis84, SO89, TV09, Tim87].

Fractions [CPV +08, Len76, Mor64, Pas03, SB71, BC09, BHJ05, BZ92, BS78, BS83, Han88, JW88, Lan80, Lut88, Lev91b, Lev91a, Now06, Pas92, Rd93, Sha76, Spe72].

framework [Per85a].

France [Ano03, Ano06, Bor02, KM91, MTV15, KM07].

Francis [Lip21].

Franklin

[NP18b].

FRB [CZ10].

Free [LF92, CZ10, HTHR94, LLK14].

French

[Ber84, Bre77, Bre78c, Che88, DGB80, Dft81, Laz85, Mul85b, Mul86].

Frequency [Hil73a].

Fresnel [Act74, And00, Chr62, Cun62a, Cun62b,
Cun62c, Fle68, Gau64e, Gra63a, Gra63b, Gra64, LG64, Ném65]. FRG [MT85, MT86]. Friedman [Fet81b, KöI97, NP18b]. Fritz [Wig67]. Fukuoka [Ano91]. full [AHM+98, Bol06, LKKH99, Spr00]. **Function** [AS95, AM20, Ahm89, AAHTH10, Amo83, AK09, AWH13b, Bai17, BTT16, Bar61, BY07, BJC+99, Bee17, BM15, BBM84, BH18, BP67, BS79, BBC98, BBC00, BCE+08, BIS6, CET62, Car63, Car75, Caw00, CCM11, CM13b, CR68, CH67, Cod69, CST73, Cod75, Cus83, Dav64, DHL+04, DJ62b, DJS62a, DJ67, DM88a, DiD90, DM92, DM86, DD08, Eck76, Eck01, ES99, ECSD20, FLM03, FCC73b, FK11, Fur72, Fur77, GB68, Gau61, Gau63a, Gau66e, Gau77b, Gau78, Gau78a, Gau79b, GST15a, GST15b, GST16, Gil16, GZ75, Gla66, God20, GBS19, HP62, Har97b, Har98, Har99b, Har66, HG64, Hea65, Her61c, HJ06, HJ77, HA86, Hum64, IP17, IR08, Jan11a, Jan11b, Jan12, JKD92, KLO7, KDDH92, KDDH94, Kim72, Kol70, Kol72c, Kol72b, KöI78, Kor11, KK20, Kuk66, Kuk71]. **Function** [Kuk72a, Kuk72b, Laf84, Lan64, LSZ08, Leh44, Let1, LDP93, Lin79a, Lin72, Liu87, LBC11, LT71, dLT70, Luk59, Mac89, Mar65, Mat04, MR71, MLS+18, Mil85, Min70, Moo67, Mor80, Mor76, Mor79, MW83, NSR10, NF63, Ng75, OMS09, Olv91, OM68, Pag77, PW76, PH66, POM05, PW90a, PW90b, Raf70, Rei69, Sau51a, Sau92, ST07, Sch64, Sch16, Sch78b, Sch78b, Sch78b, Sch99, SS97b, SS97a, SG02b, SB71, SK11, Sou57, Spi71, SRO7, SLZ05, SM99, StO41, Str68, Sun71, Tak66, Tan88, Tan89a, Tan90b, Tan90d, Tan97a, Tho87, TJK17, Vel11, WS05a, WEX14, WC61, Wis48, WG91, WGH4b, Wao67, Wre68, WKL11, Zag17, Zag19, dDLM11, AJ03, AS97, AS03, AQ18, Ali11, Alz93, Alz97a, Alz97c, Alz98, AR99, Alz03, Alz08, AG08, AM78a, AB93]. **function** [BC79, Bad76, BB15, Bak92a, BSW95, BGV81, BS00, BP01, BEJ76, Boe91, BS06, BF92, BST13, BO75, BZ92, Bos89, BS78, Bra84, BCJV18, Bra64, Bre75, Bre76b, Buc69, Büh87, BT99, BK16, CS19, CST18, Cha08, CTN79, CB09, Che13a, Che13b, CP15, Che15a, Che15b, Che16e, CL16, Che16a, Che16d, Che16c, CT16, CD02, CS11, CHT71, Cod82, Col80, CM83, Col84, CP12G, CB87, CS82, CS83, CC64, Cv64, Da69, Da59, DA12a, De179, De184, DB13, DC81, Dri95, Dun96, Dut84, Eck77, EG97, EL08, Ele15, Eps75, EMR82a, FW13, FNC75, FL506, Fet63, FCC73a, Fet74, Fis73, For97, FW80, Fra81, FW84, Fre09, Fr66b, Fuk15d, GA08, GP64, Gau64d, GS78, GS88, GK99a, GST3a, GST11a, GST11b, GST12b, GST15a, GLP98, GL01, Glo14, Gon52b]. **function** [GP84, GQ09, Har01, HF09, HR100, HJ67b, Hum85, HR72, IS88, Jab12, Jab13, Jab20, Jam81, Jam99, JHC96, JS89, JHS95, Joh15b, Joh20, Jon70, JMS98, Kau97, KW21, Kar01, Kat78, Kaz65, Ker83, KPPS08, KRT02, KöI72a, KöI84, KöI96, KT59, KSVW70, Kuz15, LW96, Las82, LGL05, LG79, Lew44, LKK10, LW82, LT13, LFM14, LSM14, LW14, LSM15, LM15b, LSM16, Luk56a, Luk56b, Mac94b, Mag94, MS16, Mar03, Mar86, MZM94, MG85, MG98, MPG92a, MPG92b, MJ13, MRS18, MC83, MNP83, Mer05, Miy19, Moo81, Moo84, Mor11, Mor14, MS15, Mul01, Nag01, Nag04, ND19, OY91, OSS09, Pak18, Pal98, PDK96, PW92, Par02a, Par02b, Par03, Par72,
Ped03, Per85b, Per87, Phi60, Phi79, PUHM12, Pie82, Pie84a, PHH08, Pit67, Pow88, Prê10, Puo88, Q14, QM15, RL76). **function** [Ron86, Rza12, Sab08, Sal89, Sch88a, Sch80a, SK08, SLH06, Sho86, Sko04, Sko05, SE14, SC81, T.57, Tan91a, Tem75b, Tem76, Tem83a, Tem86, Ter81b, Tha62a, TC01, Tri50, Uni49, Vai89, VC06b, Van89, Veb12, Ved93, WV20, WdZ04, Wan16, WO15, WC90, Wen96, Wim74, Wri84, XHT16, XC17, YC15, YCZ15, YM97, Yun14, Zak69, ZB95, Zha95, ZB97, ZLA13, vdLT84, Hol69, Mar85, Wre73, Lip21].

**Functional** [AVV90, AVV92, Deh89, Kog89, Liu93, Tol43, Tol50, Tol66, Tol67b, Tol67a, Tol68, Tol69, Tol70, vRdL88]. **functionals** [Deh89].

**Functions** [Abr64a, AS64, Abr64b, ACG+86, Alh00b, AFC10, AGL93, Am673, ADW77a, ADW77b, Amo78, Amo86, Amo90, Amo95, AVV92, ASA06, AMT78, AJMT81, AAR99, Ano46, Ano74, Ant64, AH16, Arc43, AM77, AW13a, Ars62, AKS01, Bak75b, Bak92a, Bal00, BDG+72, Bar10a, Bar10b, BA44, BD09, BJG+00, Bat07, BSY82, Bea58, Bee99, BK78, Ben83, BH65, Bin68, BC62, Bla64, Bo61, Boe69, BL02, BB84, BB88, Bow53b, Bow58, Bow61, Bra87, Bra70, Bre69, Bre80a, Bre06, BL45, BdDKL15, BGVHN99, Bur63, Bur64, Bus76, Cam84b, Car70a, CG55, Car70b, Car77b, CP98, CHG+11, CMW63, CLOT86, CH70a, CP70, Cod71, CMF77, CW80, Cod83, Cod90, Cod91, Cod93, CU59, Cur64, CV06, CPV+08, CBBV10, D+89, Dav64, Dav81, DeL70, DGA18, Den76, Din58, Div79, Dop42].

**Functions** [Dor66, Dri89, DM88b, DD07, Eck80, Emd40, Emd45, Emd48, Emd59, Erc72, Erc73, Erc75, Erc77, ELMT00, FO99, Fab04, Far81, Fat16, FK19, FB91, FW61, Fie65, Fik68, Fil66, Fla57, Fle68, Fow93, Fra78, Fra65b, Frö55, Frö61, Frö63a, Fuk15a, Ful80, Gal85, Gau64a, GC64, Gau65a, Gau66b, Gau75, Gau79a, Gau79b, Gau99, Gel51, GST03b, GKS04, GLR07, GT58, GT59, GN89, Gre92, Gre59, Gum67, GM04, HKST99, HJ67b, Hin77, Hit57, Hol90, HKA93, Hu78, HFT94, Ike75, Ike76, Jab94, Jan77, JGB13, Joh14b, Joh15a, Joh19, Kah82, Kah87, Ken14, Ken21, KB90, KKI67, Kin24, Kin07, Kod8, Kod11, Kog66, Kö87, Köl90, KZ90, Krä87, LaF54, Lar69, Lau73, LM15a, Leb65, LM03, Len76, Lew69, Lew75, LDP93, LKL02, Lin78, Lin79b].

**Functions** [Lir71, LJ13, Low64, LO93, Loz94, Loz96a, Loz96b, Loz97a, Loz97b, Loz00, Luk59, LC61, Luk64, Luk69a, Luk71a, Luk71b, Luk72, Luk75a, Luk77, LASC95, LCY65, Mac65, Mar72, MC87, Mas75, Mat87, MR71, MS68, MC02, MTP82, McL34, McL55, Mec66, Mec68, Mey01, Mil64, Mil65, MTT64b, Mor64, Mos72, Mos89, Mü90, Nad15, NS09, NKOY08, Nas74, NPA16, Nav83, NDT69, ND70, Obe64, OTY91, OMS09, O164, O167, O174, OLBC10, Osi13, Pai19, PS05, Pie84c, PP12, PT91a, PT91b, Pri75, PGA18, Rai60, Rap94, RS81, RL80, Rev16, Ric73, Ric68, Rot70b, Rot71, Rum01, dLSGDR17, Sal92, Sal51b, SS94, SS99a, oKSAG79, She76, SF59, SP20, Sht19, SC01, Sid95, Sko75a, Sla64, Sla65, Sle64, Sle65, Sle78, Smi11, Sol69, Soo73a, Soo73b].

**Functions** [Soo73d, Soo73c, Sou64, SO87, Spi61, Spo94, Sri70, SA57, Ste64a, Ste64b, SZ70, SZ74, SZ76, ST99, Str56, SG72, SDP11, Szm13, TS69, TTTW79, Tal68,
Tan90a, Tan90c, Tan91b, Tem92, Tem94b, Tha79, Tho93, Tho13, TS76, V+75, VB04, VVA09, Vel11, Ver67, Vö183, Vos73, Wan74, WGS9, Wat66, Wat95, Whi63, Wig67, Wil96, Wim62, Wim68, WR71, Wyn60, XD18, Zag16, ZS64, ZJ96, Ziv91, Zuc64, von80, von84, AS97, AS05, Ahr45, Ada98, ACG+87, AO08, Air37, AJDG02, Alt00a, AIS+17, API+19, Alz97b, Ano74, And98, Ano93, Ano98, Ano14, AM78b, AM79, AM84b, AM84c, AM84d, Arm82, Ars81, Ars98, AN68, Ask75, BDGP13, BDGP14, BC09, BC14+19, BK94, Bk73, Bk75a, BL96, Ban01, BDM81, BDG+84, Bar72, BFSG74, Bar81].

functions

[Bar82b, Bar82a, Bar84a, BFSG84, Bar84b, Bar19, BW10, BBD03, BB82, Bel68, BS84, Bel04, Ben98, Ber84, BG84, Ber01, BPT76, Bla74, BEJ78, BL71, BJ05, Bor88, BBC08a, BS83, BCD+02, BD02, BP81, Bre18, Bre10, Bro89b, Bro90, Büh92, Bühl03, BJLP19, Bul65a, Bul65b, Bun99, Bus74, BIS01, BK16, Cai11, Cam79, Cams, CL11, Car69, Car95, Car90, Car82, CKT07, Cha82, CZ94, CZ95, CQSP04, Che71, Che81, CKL89, CMM94, Che11, CB12, CE15, Che15b, CA00, Che09, CH78, Cle54, Cob69, Coc65, CDS00, Coh12, CCV11, CJR91, CJK92b, CDY+01, CV03, Cri89, Dan94, Dan77, Das94, DMS95, DCL+92, DTL98, DM99, Dav35, DAV12b, DTR9, DF84, Di 86, Die80, DKK80, Dom03, DM08].

functions

[Dri91d, Dri91a, Dri91b, Dri91c, DIW00, DGS18, DHM89, DK77, DFT78, DZKK77, El06, EL01, Elb01, EC79, EC13, EM94, Fab02, FLO04, FLMR00, Fei78, FS92, FGG82, FMCS82, Fer86, Fer07, Fog51, FO93, Fre09, FKY86, Fuk09a, Fuk09b, Fuk13a, Fuk13b, Gab79, Gal86, GKK00, GAZK03, GI01, GS81, Gau63, Gau64b, Gau64c, Gau65b, Gau77a, Gau02, GHT03, GG08, Gau11, GS82a, GEK04, GR87, GF97, GST02b, GST02c, GST02a, GST04a, GST06a, GST06b, GST07a, GS12, GST14b, GST15b, GF88, GLJ20, GLS3, GR92, GM84, Gla74, Gnu52a, Gnu52b, Gnu52c, Gnu54, GM88, GKB9, GQ09, GM07, HTHR94, Haf60, Har08, HB75, HHV+73, HB09, Her69, Her71, Hig77, Hitt75, Hoc61, HvdR63, HUY07, Hor17, HR88, HL13, Hum85, ISO10, ISK87, IS90, IKK91].

functions

[IS92, IKF91, Ism77, IKO5, J JW86, Jam16, JL12, Joh14a, Joh16, JT85, Jon06, Jör66, Kal04, KHY07a, KHY07b, Kan96, Kas80, KT00, KV03, Koe16, Kog60, Kö69a, Kö69b, Kö69c, Kon76, Kor02, KS88, Krag88, Kra14, KRV98, Kra85a, Kra85b, Kui52, Kul07, KB86, KII6, Kyr74, Kza92, LAF61, LAF62, LAF63, LAF64, LAF65, LAF66, LAF67, LA95, LP85, LP97, LZ85, LM00, LMI0, LM09, Lew85, Lew87, Lin57, LK73, Liam0, LJC63, Loe01, Lop98, Lop18, LU96, LM08, vdD88, LO94, LS95, Luk75b, Lut95, LP83, Mac68, Mac94a, Mac94c, MS76, Mac96, MO49, MOS66, Mah30, MV82, Mak65, Mak80, MT72, Mar81, Mar90, Mar00, Mar88, Mas83, Mat93, MH08, MP79, Max91, MMM93, MCN73, Mer94, MY91, MIl89, MIl68].

functions

[MM95, MM98, MKS83, MC04, MCM90, MS87, MV98, Mos69, Mul95, Mul85a, Mul85b, Mul86, Mul97, MO18, Nag68, Nag01, NR15, NP18, Neh07, Nes84, New84, Ng68, Nu88, Nis84, Nis94, NT84, Nor50, Nor55, O’B80, OWS+14, OGW94, OG92, Ov80, OE16, PDK96, Par09, Par16, Paw11,
functions
[Sim64, Sla60, Sla66, SP61, SS65, SS10, SS87, Smi89, Smi01, Sne56, Sne61, Sne60, SF10, Spe72, Squ91a, Squ91d, So89, SJ01, SZW11, SJ12, Sti53, SMCH41, Smu88, Sum15, TFW84, TR84, Tem75b, Tem78, Tem79b, Tem81, Tem83b, Tem94a, Tem96a, Tem96b, Tem00, TV09, Ter79, Ter81a, Tes69, TB86, TB87, Tho97b, Tho97a, Tho04, Tim87, Tk03, Ti43, Ti50, Ti66, Ti67b, Ti67a, Ti68, Ti69, Ti70, Ti83, Em40, Em45, Em59, Ti50, Ti66, Ti67a].

Fundamentals [AGA80].

funktsii [PT80, PS93, LCJ63]. funktsioonide [Jur66]. funktsiooni [LP83, Bar72, PS93]. funktsioonid [DZKK77]. funktsioonid [Jur66]. funktsiooni [LP83, Bar72, PS93]. funktsioonid [DZKK77]. funktsiooni [LP83, Bar72, PS93]. funktsioonid [DZKK77]. funktsiooni [AN68].

Further [GAZK03, GR92, JW86, La84, Luk70]. Fused [BDL09]. future [BIS01]. Fuzzy [AEF92, DP92].

G [Köl87, Köl90]. G5 [Bre74]. Gal [SZ05]. Galatasaray [HUY07]. Gamma [AM20, Alz08, BB15, Bar61, By07, BP01, BI86, CP98, CH67, Dav64, DM86, Din58, Dop42, Fu72, GB68, Gau79a, Gau79b, Gau99, GST12a, GRAT16, God01, GM04, Kol70, Kol72c, Kol72b, Kö87, Kuk72a, Kuk72b, Lafa84, Lan64, LDP93, LT71, Ma89, Mat04, Ng75, PH66, Pug04, Raf70, Rz42, ST07, Sch78b, SG02b, SF59, SLH06, Spi71, Sp094, Sri07, Tak66, Tem92, Tem94b, Vell1, WC61, Whi63, Wre68, Wre73, AS05, Alz93, Alz97a, Alz97c, Alz98, Alz03, BZ92, BS78, BCL18, CS19, Cha80, CZ94, CZ95, CT96, Che11, CB12, Che13b, CE15, CP15, Che15a, Che15b, Che16c, CL16, Che16d, Che16e, CT16, Dav59, DF84, FW13, Fi73, FW80, Fra81, FW84, GA08, GHT03, GST15b, GLP98, GL01, GQ09, GM07, Har08, JW86, Jam16, JT85].

gamma [Kar01, Ker83, Kol84, Lóp98, LFM14, LSM14, LW14, LSM15, LM15b, LSM16, Mah30, Mar77, Mar66, Mc83, Mer05, MM98, Mor05, Mor11, Mor14, MS15, ND19, ÖE16, Pa98, PW92, Par02a, Par02b, Par03, Par16,
Ped03, Phi79, Qi14, Sch88a, Sch80a, Smi01, Tem75b, Tem79b, Tem94a, Tem96b, Ter79, TW80, Tri50, VC06b, Wan16, Wri84, XH16, YC15, vdLT84, AW13b, Bra64, CS11, CC64, Gau64b, Har97a, Tho13. gamma-functions [Mah30]. gamma-ray [Phi79]. GammaCHI [GST15b]. Gammafuncties [Dop42]. Gammafunktion [Sch80a, Tri50]. Gammafunktionen [Mah30].

Gappa [dDL11]. Gate [LE95, LE93]. Gatteschi [GG08]. Gauss [Dav35, Fer07, FL06, Fet05, Gau92, Gau16, HT13, HJ67b, Ibb63, JM18, KWW77a, Kza99, KP03, LW95, LT13, Nad15, POP17, Yon14, ZZ11].

Gaussian [DD08, Jan11a, AKr85, BTT16, BS00, Bre74, CCM11, CB09, CPG12, Dev12, DB13, Dün10, Fre09, Hay56, IR08, Jan11b, KLo7, Kza92, LBC11, MJ13, PUHM12, SK11, Sun15, Ter81a, WCSS16, Wen01, WLK11].

Gautschi [Zah94, Alz03, GLP98, Ker83].

GCD [Sor94, WTM05]. Gebiet [Tö69, Tö70]. gens [mH12]. genauer [von84]. Genauigkeit [Rot71, vs08]. General [Bret82a, Erce75, Erce77, GW91, Kog89, Mil57, Mos72, von80, BD85, Bre80b, Fdi97, Fuku83, FI94, Fuk11, Fuk14b, Gs52b, Gs78b, HR07, LFMD14, Mid75, SZ77, Sun15, Tö68, Wen01]. Generalised [Bar74, Ver67, NSU20, Par03]. generalization [Dij77, EM94, Pal98, Paw11, Rac82].

Generalized [AM20, AJDG02, AS54, Bar10a, Bar10b, Büh92, BS98, Bur64, Car70a, Cz94, Che70, CLOT86, DTL98, DJ62a, Fie65, Gom89, Hau79, HP62, LC87, Mi85, Min70, Ovt03, Sch16, Sle66, Sle64, Sri70, Ve11, WD61, Ali11, Ano84, BS11, BK16, CZ95, CV96, CLM88, CH78, DCL+92, Fuk14a, Fuk15c, GKK00, GAZK03, GS82a, GS14, GM07, Hau81, Har08, HB75, Jon70, KWW07b, KCYL06, KI04, Lav86, LKF10, MS16, Mat93, MM98, Mus87, Nag94, NP18a, Olf94, PBN93, Sal83, Sko05, Vla02, WCSS16, Wil12, MN16].

Generated [AK09, LSM14]. Generating [DCL+92, Kyr74, Len76, LC87, Sch16, Wil70, FW84, Mar77, Olf80, Wri84].

Generation [Ahm89, BH65, Bin68, CU59, IP17, JJ65, Kog65, Kog66, LA85, SM78, SA57, Wai80, AN68, GF88, KI16, Mat90b, OY91, XL8+33].

generator [AM78a, Bak76, Bre74, War75]. Generators [BDKL15, AHM+98]. generazione [AN68]. Generic [Dri89, Tan88, Tan90b, Dri91a, Dri91b, Dri91c, Squ91a, Squ91d, Squ91b, Tan91a]. genetic [PUHM12, Tan87].


GPU [mH12]. GPUs [API+19]. gradient [Mit92]. graduate [BW10].
Graph [NS09, DC81]. Graph-Based [NS09]. Graphics [NKY08]. Graphs
[AS64, JMMW79]. Greece [SC01, VDR05]. Green [JS89, MKS83].
Grenoble [Bor02, KM91]. grid [Joh83]. Grosswald [Ano84, Sal83]. Group
[AKS01, ???90, Koo91, Lip21, Tal68, WS84, Vil88]. Grouping [LA85].
groups [CK88, Töi67b, Var95, VK95, Die80]. Grove [Sin95]. Growth
[QVV98, Bos89]. guaranteed [Loe01, PR04]. Guide
[AWH13c, BA44, LFB60, Tho97a]. guidebook [Tho97b]. Gumbel [Gom89].
Gurland [Mer05].

H [Ano84, T.57]. Hadamard [Par09]. Half [DJ67, Gau16, Kahl04, Lir71,
Sau92, Di 86, Fuku10, Fuk15b, Gau94, GJI20, KWY07a, NR15, SG98].
half-integral [NR15]. Half-Range [Gau16]. half/integer [KGY07a]. Hall
Hamiltonian [Fei78]. Hand [Der77]. Handbook
[AS64, Bech7, BL02, BFI71, CPV+08, Fet81b, Loz97b, LC65, OLBC10,
PR82, PR96, RW04, Bak92b, Mat93, Köh90, Köh97]. Handheld
[NL80, 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
[Er77, Fow93, Mas72, SS94, SF93a, SF96, SDP11, Tak01, W991, W994b,
dDI15, BKM94, Kan96, LGML05, Mul86, OY91, Sg92, SS93b, Tay81].
Hardware-Based [W994b, W991]. Hardware-Oriented [Er77, OY91].
Hardwired [DM88c, LC87]. Harmonic
[BD14, Alz97a, Alz98, Alz03, Ele15, MS67]. Harmonics
[Bra73, Hob31, Hob55, XD18, MS67]. Hausdorff [Gre82]. Having
[Bra65, Bos89]. Hawaii [MS94, Spr00, Spr00]. hazard [Ruy89]. heat
[CM69]. Held
[Mul82, AGA+80, HUY07, IP87, Mas85, MC87, Ric92, SKL93, Tra76, Ull90].
Help [Car74, Wen06]. hereditary [Roc82]. Hermite
[Bun09, Dri95, Fat16, Gau16, KSVW07, Sab08, WdZ04]. Hidden [Car70b].
hierarchies [Her71]. hierarchy [Her69, Hom98b]. hierarchy-consistent
[Hom98b]. High
[Abe16, Ahr96, AFC10, Bar82c, BY07, Bre06, BTDS11, CCCP99, CG85b,
CP99, CL94b, DPC95, Far81, Fer86, FW80, Fra81, Gal85, GB68, JSH+11,
Joh14b, KK96, KM93, KM97, LM95, LMT+92, Maj85, MMW91, NP18b,
Par09, PE02, PB02, POM05, RGK72, Sal51b, SW99b, Sch93a, Sch93b,
Sei99, SF59, SC71, SA57, SG72, VCLFSN+12, WMDM92, XLX+83, ZG87,
ALB98, Bar84b, BM80, CCC66, Fan89, Gab79, Gal86, Gau11, Jap20, Joh15b,
KO04, LM99, MM92, PBE03, RdC93, Sch80b, SF93b, Bra87, Müll90].
High-Accuracy [Bra87, Müll90]. high-order [Sch93a, Sch93b].
High-Performance [BTDS11, MM92]. High-Precision
[Ahr96, BY07, Bre06, KM97, Bar82c, Fer86, FW80, Fra81, NP18b, Par09,
High-Radix: [CL94b, PEB02, Sch93a, Sch93b, PBE03, SF93b].
High-Speed: [JSH+11, Maj85, PB02, POMB05, RGK72, SW99b, ZG87, Sei99, Fan89].
High-Throughput: [AC10]. Higher: [CM90, GM88, LM92, Ars81, BL71, Car69, EM94, MC89, Ng68, XC15].
higher-order: [EM94, XC15]. Highly: [DB13, Lut95, Mat90b, CY18]. Hilfe: [Fil66]. Hilton: [MMH89].
History: [Dav59]. Hilton: [MMH89]. Historical: [Dav59]. History: [Ful99, Dut84, War08, Wen09]. Hitachi: [WOG95].
HIZ: [GST02c]. hoe: [Yun14]. Hochgenaue: [Bra87, Mul90]. HOL: [AAHTH10]. Holdred: [Ful99].
HILDE: [Ped80]. Hyatt: [IEE89c]. Hybrid: [SR14, CP99]. Hydra: [Rot70b, Rot70b]. HYP: [Kra95]. Hyperbolic: [Ano74, AH16, Fri72, Ken14, Ken21, dLSGDJR17, SM70, Tha61, Zuc64, HTHR94, 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, Min70, Nad15, NPA16, Ng77, Nor50, Nor55, Obe64, Olv91, Rel63a, Sra70, Tha62b, Ver77, Wim68, Yos97, AS97, AS03, AG08, BS00, BS06, Buc69, Büh87, Büh92, Büh92, BJLP19, BK16, CR08, CQSP04, CGKZ05a, CGKZ05b, CVC11, DT09, DGS18, Dut84, Fert07, FLS06, For97, GAZK03, Gau02, GST07b, GS14, HUY07, HL13, Joh16, Jor70, Kal04, KWy07a, KWy07b, KW21, KT00, KRT02, Kra95, Kyr74, Lav86, Lew85, Lew87, LP95, Lew44, LT13, Mul01, Nag01, Nag04, NP18b, OSS09, Pas95, Pea09, POP17, PBN93, Rel63c, Seg08, Sko04, Sko05, Sla60, Sla66, SZW11, Tem78, Tem81]. hypergeometric: [Tem83a, TC01, Uni49, Var95, Ver77, WCSS16, Wen01, Will2, Zei91, ZZ11, BK16, Rel63b, Ric92]. hypergeometric-Bessel: [KRT02]. Hypersingular: [Sam02]. hypersurfaces: [Sti88]. Hypervirial: [FMCS82]. hypot: [Bor21]. HYBPQ: [Kra95].
Bul65b, CG89, CKT07, Cuy94, Dun87b, Eck77, EMR82b, KSVW07, LP61, Luk71b, Mi165, Ovt03, Pro87, RL76, Sch68, Sae63, SZ74, VB81. III [Bul69b, Din58, Dun88, LP62, Lov53, Luk72, SZ76]. IIPBF [RKZ+14]. Illinois [Cow77, Hwa85]. illustrated [Tho97b, Tho97a], im [Tio67b]. IMA [IP87, MC87]. IMA/SIAM [IP87]. image [JL94]. Imaginary [Bar61, GST02d, NPA16, BF92, BST13, Cob69, GST03a, GST04a, GST04b, VC06b]. Inmiscible [YH90]. impedance [AJ03]. Implementation [AAHTH10, AFC10, Bai17, BV85, CVW06, DMS95, DHL04, EL89a, GBKK09, HH18, IM99a, Jef17, Joh15a, Joh87a, KNS95, LA01, LP17a, LM15a, LC97a, LE95, Nav83, PP12, Shl19, SL97, SDP11, Tak00, Tan88, Tan89a, Tan90d, Tan92, VM19, Zai93, dLDM11, von80, DR04, Has00b, Joh14a, Joh87b, LKK99, LO95, LE93, MC89, Mul97, Neh07, Obe99, Tom00, VT11, ZXBZH01]. Implementation-Oriented [PP12]. Implementations [SL95, Tan90c, dDI15, CL00, EL94, Kul07, LC96, LC97b, Luc99, SK08, SL97, Zim00]. Implementierung [von80]. Implementing [HFT94, Tho87, Che71]. Implied [Sho02, MRS17, SR16]. Improved [Bor21, CD02, HCK09, Jab13, Jab20, KL07, KCYL06, Mor11, Nin70, Olv91, ST99, Di 86, DD08, GST12b, Lu14, Mid75, PW92, PC93, ZLC04]. Improvement [Mec68, OGWW94, LLK14]. Improvements [Zag16, PS86]. Improving [Ch11, EIM+00, Lev73]. incident [Ehr89]. Including [She54, Str56, HTHR94, SMCH41]. Inclusion [Cri82, PC93]. Incomplete [AM20, Bar61, BL94, CN81, CP98, DH59, DJ67, DM88a, DM92, DM86, Dop42, Ehr61, FL67, Ful72, Gau79a, Gau79b, Gau99, GST12a, GRAS16, Goa95, GM04, Har08, Hil77, Kol70, Kol72b, LW63a, LW63b, LDP93, Mat04, OM68, PSB76, Sau92, Sch78b, Tak66, Ten92, Tem94b, Tho13, Van69, Vel11, Wh163, Wis48, Alz97c, BB15, Bul69a, CZ94, CZ95, CVW96, DK90, Fis73, FH94, Fuk09b, Fuk10, Fuk13b, GHT03, GM07, HF09, Hay56, JWW86, Jam16, JT85, Mah30, Mar86, MM98, ND19, OE16, Par02a, Par02b, Par03, Par16, Sch80a, SS10, Tem75b, Tem79b, Tem94a, Tem96b, Ter79, Ter81b, TW80, Tri50, VC06b, BB74, Gau64c, Gau64d, Jef62, Lud63, Mey63, PH67, vdR63]. Incorporate [IP76]. increasing [Wan82]. incrementation [DD76]. Indefinite [CK89b]. Independent [Fra65b, Bre18, VC01]. Index [Ano68, GKK00]. India [Ban01]. Indian [BB12, Hay99, Plo01]. indices [GF88]. Induction [Kin21]. Industry [BBM84]. Inequalities [AVV90, AVW92, Bus76, BI86, CP15, Che15a, Che15b, CL16, Che16a, Che16b, GL01, Lafi84, Lafi86, Nas74, QVV98, She54, Alz93, Alz97b, Alz97c, Alz98, CB12, CM13a, Che16c, CT16, CT88, GLP98, IS90, Ker83, LS88, Liry93, LW14, Pa98, QM15, RT89, Whi82, ZS08, Zhu10]. Inequality [WLK11, Alz97a, Alz98, Alz93, IS92, Rac82, Zal89]. Infinite [Lir71, Sch88b, BC79, Cro92, LW96, LS95, RKZ+14, VC06a]. Infinitely [IM99b]. Information [ISO10, Lav80, CT88, Ste08, Tio68, War80, Was89]. Ingenieur [Bar14]. inhomogeneous [Mac94a]. Initial [Cas83, ITY95, EL89c, EL90, ITY97, SS98, Spt85]. Initiative [Loz00]. Inn [IEE85]. inner [AB88]. input [Wen01]. insertion [OJ04]. institutions
Instruction [PW76]. Instructions [GBKK09, IM99a]. Integer
[Alh00b, BO93, Cat85, Cat86, Cre98, D+89, Der77, DJ67, Has90, Hei96, JF16, MRH19, ND70, OLHA95, Olv64, Rev16, Rol87, Sau92, Soo73a, Soo73b, Alh00a, AM78b, AM79, AM84a, AM84b, Di 86, FNC75, Fuk15b, GLM15, Hig93, KWW07a, KWW07b, Lyo91, Pro83, Sca71, SG98, WTM05, dT93].

Integers [QW06]. Integrable [PS93]. Integral
[Ano93, Cad51, Car75, Che70, Chr65, CT69, CP79, Cor61, Cun62b, Cun62c, Dre78, Fet67, Fra65a, Fri72, GC64, Gau16, GW71, Glh71, Gla79, Goa95, HP67, HJ67a, HJ67b, Hii73b, Ism77, KC76, Mec68, MR65, Mer62, NF63, Ng70, Ol91, Pac70, PS11, Q14, Ra70, Red70, Rei69, RL80, Sch78a, She54, Sko78, Smi11, Squ70, SZ74, VLCSFN+12, War60a, WR63, Wri73, eL76, AQ18, Act74, Bea60, BB82, Ber68, Boy15, Bry02, CG85a, Car05, CS11, CT68, Dav59, Dij77, DK90, Fet81a, FKY86, Fuk10, Fuk11, Fuk14b, Fuk15d, Fuk15b, Fuk15c, Gau59, GHT03, GMIMDM13, Has02, Her61a, Her61b, Kuz15, Lar66, Lee92, Mar95, Max91, McC74, Mid75, NR15, NP18a, OW68, Otv94, Pak18, Pöl49, RT61, RKZ+14, Sun15, Tem86, Tha63c, Tha63b].

integra [Töö67b, Van89, WR96, HP85, Hol70]. Integrale [Töö68].
Integralgruppen [Töö67b]. Integrals
[AVV90, AVV92, Boe61, BF71, Car77a, CN81, Car87, Car88, Car89, Car92, CG94, Car99, CR68, Cod65a, Cod65b, Cod66, Cun62a, Cun64, D59, Din58, DR94a, DR94b, Ehr61, FL67, Fet65, FC64, Fe68, Fuk15a, Gau61, Gau64e, Gau73, Gau77b, Gl66a, Gl66b, KKI67, Kin24, Kin07, Köl87, KK20, Lan60, LW63a, LW63b, Lew69, LDP93, Lin72, Löp00, LG64, Luk64, Luk68, Luk70, MT64a, NC66, F90, PM86a, PM86b, PM92, QV96, QV98, Ric73, ST07, Sch64, Sid65, SZ76, Tem15, Tho65, Tho66, Töö67a, Van69, WKG66, Woo67, ZC70, Act74, And00, BC79, Bat19, BO75, BZ92, BBC08a, BS11, Bul65a, Bul65b, Bul69a, Bul69b, Car79, Car91, Car95, CLM88, Cr62, CT67a, CT67b, D689, EW63, Far69, FGG82, FMC82, Fett81b, FF54, FF57].

integra [FI94, Fuk09a, Fuk09b, Fuk12, Fuk13b, Fuk14a, Gab79, GP64, Gau11, GST20, Gla74, Gra63b, Gra64, Gra02, Har00, Hay56, Hvd63, Je62, KT00, KRT02, Kö17, Lan80, Las82, LW82, LK73, LS95, Mac72, MAK65, Mey63, Mim88, MH72, Mor78, Mor99, Ném65, PDK96, Pie82, Pie84a, Puo88, Saf10, Sai89, Sam02, Sch88a, SZ77, SJ12, Tem83b, Tem83c, Tem85, Ter81a, Tha63a, Töö67, VC60a, Won73b, vdR63, vdLT84, MN16, Lip21]. integra [CF00]. integra [DM88b]. Integration [Bro90, Car99, Cas83, CK89b, Dav88, LO93, Pro88, BGV81, Bro89b, EM86, Hay56, Mos69, Pro87, Ter79].

Integration [PS93]. Integro [MI85]. Integro-Exponential [MI85].

Intel [ASA06, CHI+03]. Intelligence [AGL93]. interact [Wen09].

Interactions [BJG+99]. Intercalation [Wyn72]. Interest [Koo91].
interfaces [ISO10]. interference [Dem89]. Interior [Meg89b, KMY89].

Interior-Point [Meg89b]. Interlacing [Seg08]. internals [SF93b].

International [ACM89, AG93, Ano91, Bor02, BCEP94, Bro07, Gre16, IEEE89c, IEE08, IL07, Lak96, MS94, SE11, SC01, Spr00, TT18, T+97, VDR05, Wah04, ACM87, DIW00, RDK98].

Interpolation [Bre82a, Fat16, St53,
VB04, WEX14, BSW95, Blo88, FK88, GRS87, Håv81, PDK96, RT89.

Interpolator [POMB05]. interpretation [Din73]. interpretations [Yos97].

Interval [BSY82, DLM90, Krä87, Rot70a, Yoh73, Ge89, Joh20, Kais98, Krä88, Mar81, dDM06]. Intervallargumente [Krä87]. Intervalle [Bra87].

Intervals [Bra87, KP75, EMR82b, Shii93]. INTLIB [KDDH92, KDDH94].

Intrinsic [BJG+99, BD99, BJG+00, Shii99]. Inversion [AH16, Car63, DM86, ELMT00, Gil16, Ham78, Hom96a, HMO19, Krä87, Kre88, KNS95, LaF54, Lin90, Mar05, MS68, Pag77, PB02, SW99b, Sol69, Str68, Tha61, Ano12, BPT76, BEJ76, Boy15, DAV12a, Dom03, Fet74, Fuk15d, HTHR94, Kre89, Lin89, MZW94, MWH+18, PDK96, Rev90, Sho86, VPK99, Krä87]. Inverse-Square-Root [KNS95]. Inverses [Sal51b, Sch84, Car05, Rit25, Wac00]. Inversion [GST12a, Tem92, GST15b]. invertible [SE14, Ved93]. Investigation [Mak65]. inviscid [Job83].


Iterated [Amo73, Tha61, Deh89, GLM15]. Iteration [Alb62, BB89, Bra65, CL11, LC87, Ninn70, WS05b, Che71, DD76, Epp89, MC93, MC95, PS86, PR04, Rüt63, Tuk48]. Iterations [Gar75, Gar79, Gar80, HHR00, SS98]. Iterationsbeschleunigung [Bra65].

Iterationsfolge [Alb62]. Iterationsfolgen [Bra65]. Iterative [CH98, Hom96a, Job89, KNS95, Plo96, RGG72, Eve63, GA08, Hom98b, ITY96, Jam89, KK96, Kru99, Kli04, ZXBZH01]. IV [Dun94a, Dun94b, Sle64]. IX [Luk99]. izbytnych [LP83].


Jacobi [Ali11, DCL+92, HT13, HvdR63, Mey01, PDK96, Paw11, Sko75b, Spe72, WV20, Wit68, Ye17]. Jacobi-elliptic [DCL+92]. Jacobi-fractions [Spe72]. Jacobian [Bat19, Car05, Fuk09a, Fuk09b, Fuk13a, Hol90, Lan80, MT64b, MO18, PDK96, Sal89, Sch76a, Sch77a, Töl67b, Töl67a, VPK99].


Jonathan [Bre17]. Jordan [Zhu10]. Jose [SE11]. journées [AEF92]. July [Ano06, Boi97, Bro07, BBdD17, Gre16, IEE08, IL07, KM95, Lan96, LMT97, Luk99, Mar85, MC87, MSH+16, SO11, SJ93, T+97, VDR05]. June [AGA+80, BCDH09, BC01, Cow77, DIW00, HUY07, Hwa85, IEE05, KMK1, KM07, MTV15, SE11, SJ93, TBL19, TT18].
Kind [Bar10a, Boe61, Car77a, Car87, Car88, CMF77, Cod83, DH59, Fet65, Fra65a, Gau64a, GST02d, Jha94, Mec66, PDK96, Sca71, SG99, Tem76, Tha63c, WC90, Wen96, YM97, YM03, Zai93, Bra70].
Kinds [FL67, LW63a, LW63b, Van69, Mor99]. Kingdom [Boi97, IEE89a].
Koechers [Bau89]. Koezienten [Bra65]. Kohlrausch [ZLA13].
Konstante [Bau89]. Konstanten [Sti53]. konvergenzbeschleunigenden [Sch68]. Konvergenzbeschleunigung [Alb62]. Konvergenzverbesserung [Hon96b].
Korotkov [Lip21]. Kryachko [Har01].
Kuramoto [AGH89]. Kutta [Cas83].
Kvadratroden [Ped80]. Kyoto [TB19].

Laan [Köl87]. Lah [Fet81a]. Lager [Blo88]. Laguerre [Air37, BBC08b, CIM94, DGA18, DGS18, GST17, GM84, Kza99, PGA18].
Lambert [Gau11, Goe14, JHC96, Jef17, Jol20, MS16, Miy19, Pak18, Veb12].
Lanczos [BCEP94, God01, Pug04]. land [Ars81]. language [Che81]. languages [ISO10]. Laplace [Fab02, Gus85, Lee92, Tem83c, Tem85].
Large [Bin68, Cur64, GT58, HJ67b, NPA16, TTK17, Won73a, FLS06, Gau59, GF88, Jon06, Mas83, O'B80, RX07, Tem94a, Zha96b].
Leaky [Har97b, Har98, Har01, Har08, PHH08]. learning [BL71, Lit89]. Least [DB13, Sto41, Rei86]. Lebesgue [Blo88, Bos89].
lecture [HUY07]. Lectures [Tal68, Tri66, zCFF05]. Legendre [Jan77, Töl67a, Bra73, Bre18, BL45, Cob69, Gau65a, HT13, HS20, JMI18, LW95, Lew69, SSG+18, SOL81, Ste64a].
Legendsche [Töl67a]. lemniscatic [Eck77]. Length [SH72, HHv+73, Hon71, von84]. Leonard [Dav59].
Lerch [GS88]. Less [Bak92a]. Letter [Cat86, Fik67, Kin65, McC90, Rev90, Swa65]. Letters [Rah01, WTA90].
Leuven [IEE08, KV03]. libcerf [Ano15]. Libcint [Sun15]. Libm [Ano14, LMOT01, dDEG05].
Libraries [IEE99, MMNP91, Kuk71, LK19]. Library [AK09, Bee17, DLM09, GB91, KIDDH92, KIDDH94, Kuk66, LMS99, Loz03, McC02, PW76, Sch76b, Sch77b, Sch88b, SP20, TGC89, Tho87, WWG82, ZOHr01, Ano14, FHL+07, KA71, Lau95, Lau04, LMOT01, Mar03, Neh07, Sun15, Wil96, ISO10]. Lie [Die80, CK88, Mil68, Var95, VK95]. Like
Math [Alz98, ASA06, Ano84, Fra81, Joh87b, Kuk66, Lew87, MMNP91, McC02, Per87, Sha76, Wil96, Win72]. MathCW [Bee17]. Mathematica [BK16, Kra95, Tho97b, Tho97a]. Mathematica-based [BK16]. Mathematical [AS64, And82, Arf85, AW01, AWH13c, Bee17, BL02, BdDKL15, CHG\textsuperscript{+}11, DHL\textsuperscript{+}04, Fik68, Ful80, GB91, HBF09, Kuk71, LFB60, LCJ63, Los7b, LMS99, Loo73, Luk75a, Luk77, Meg89b, Mos89, Mul82, OLC10, Osi13, RW77, Ric71, SP20, Szn13, WNO94, Wig67, Ziv91, ZOHR01, Ars68, BBC\textsuperscript{+}14, Bak92b, Bar14, CC17, Coh12, Her82, Hoc61, ISO10, KRVZ98, Kuk07, K116, MO49, MOS66, NU88, PS93, QXG18, Sne56, Sne61, Sne63, Sne80, Tem96a, Tho97b, Tho97a, Gre16, IBM05, Sne63]. Mathematical-Function [Bee17]. Mathematician [Bat07]. mathematicians [Hay99, Wen09]. Mathematics [Ask75, BB12, BDL\textsuperscript{+}01, Car77b, FR98, HDG\textsuperscript{+}15, Mur88, RW04, And98, BL71, Gau94, Joh11, Mur99, Gau94]. Mathematische [Sne63]. mathematischen [Sne63]. mathematischer [Bat19]. Mathieu [Ali00b, Ali00a, BC62, Bla64, Cle69, EC13, Fri72, RL80]. MATLAB [Bat19, API\textsuperscript{+}19, Zen04, RKZ\textsuperscript{+}14]. Matrices [Leh96, HHR00]. Matrix [AH16, Ike76, AIS\textsuperscript{+}17, API\textsuperscript{+}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, Sal76a, Alz97a, Alz98, Alz03, KPPS08, MH72, Sal89, Tod90]. Means [Fet65, Fill66, Gus66, Mü190, von80, BS06, CS11, Fer86, Kon76, Leh71, MMV81, MS87, Sas91, Tes99, Wen10]. Measure [DR94a, DR94b]. Measurement [BDL\textsuperscript{+}01]. Measurements [Lid01, Lid02]. measures [Was89]. Mechanical [SG02a, CK98a]. Mechanically [Rus98, Rus99]. mechanics [Sti88]. media [YH89]. medieval [Joh11]. Medium [Joh15a, Joh14a]. Medium-Precision [Joh15a, Joh14a]. Melbourne [Lav80, Men06]. Melfi [CDS00]. Mellon [Tra76]. Memoirs [Lov53]. Memoriam [Dav59]. Memory [LJ13, Kog89, Tak00]. Memory-Efficient [LJ13]. mesh [DR89]. Method [BCE\textsuperscript{+}08, Car74, Cow64, Ded26, DJ62b, DJ62a, Erc75, Erc77, Esc37, FK19, Fle68, GW91, Hol69, Joh89, Kal34, KP69, Laf54, Lan42, Lin72, LJ13, Mar05, Osa90, Ovt03, Plo96, Sar59, SF96, SO55, SS99b, Sto41, Tra60, TS76, Vn69, WN09, Wyn72, Yon70, AM12, Ali11, Bar82b, Bar84a, Bor82, DK82, Dom03, Fab02, Fuk14b, HTHR94, Hai60, HR05, HF95, Kon76, KI04, LG79, LP95, LPS8, Lys01, Mag94, Mat77, Mat90a, Now06, Ole96, PR04, Pr08, Rap01, RdC93, Rei86, Sch68, SdCR97, SZ77, Sko05, Vai89, VT11, Via89, VB81, Yun14, Zai93, ZB95, Zha95, Zha96a, Rap94]. méthodologie [Mul86]. Methodology [Sho02, Mul86]. Methods [AW05, AWH13c, BR73, BPT76, Bre82b, Cas83, Dub83, Fra65b, FR76, GSS12, Gau75, HF09, HR07, ITRY95, Meg89b, Mos89, Ng75, RGK72, Sid03, SZ70, SZ74, SZ76, Tem15, Ull90, Vla02, AGS99, Ano98, Arf85, AW01, BDGP13,
BDGP14, BL71, Bre75, Bre76b, Bre78b, Bre85, Bre88, BR91, Cuy94, Epp89, FGG82, Gab79, GST07a, Gus84, HP93, HBF09, KK96, Kru99, LVV05, LLK14, MC77, Mon83, Mil93, NS13, Osa94, Özb06, Pas10, Pas11, POP17, PC93, PKP74, Pol88, RW77, Roc82, RDK98, Safl0, SS98, Spi85, Wim82, Die83, metodom [LP83], metric [Som82, ZSA86], Mexico [IEE91], MHz [PZ95].

Multi-Machine [Sch76b]. Multidimensional [Dem89, Var95]. multigrid
[BD85, RdL01]. Multilayer [HSW89]. Multiplace [Bar72]. Multiple
[Bre75, Bre76a, Bre76b, CM13b, EG97, Gar80, JKD92, Joh83, Kor11, Krä39,
Sm191, Sm11, CV03, Deh89, FHL+07, Sm198, Sm101, Tak00]. Multiple-grid
[Joh83]. Multiple-Precision [Bre76a, CM13b, Kor11, Krä39, Sm191, Sm11,
Bre75, Bre76b, FHL+07, Sm198, Tak00]. Multiple-term [EG97].
Multiplication [Alt79, BR73, GKK00, JJ65, LD89, RGK72, Rus98, WS06,
CL95, EL89a, IYT97, McC77, MM91a]. Multiplication/Division/Square
[LD99]. multiplications [GLM15]. Multiplicative
[Bak75b, SL95, Che71, IYT97]. multiplicities [Zen04]. multiplier
[HFS89, SF93b, WG92]. Multipliers [Ahm89, ELMT00, WS05a, WG94b].
Multiply [BDL09, ZG87, IYT96, MM92, WMDM92]. Multiply-Add
[BDL09]. multiply-additions [ITY96]. Multipolar
[Hom98a]. Multiprecision
[Bai93, BM15, CVW06]. Multistep [Ske86a, Ske86b].
multivariable [DCL+92]. mutivariate
[CKL+92, Ein89, Gom89, Rac82, SLD16, Ter81a, vR89]. Multiword [JF16].
MultiRoot [Zen04]. Multiplication [Alt79, BR73, GKK00, JJ65, LD89, RGK72, Rus98, WS06,
CL95, EL89a, IYT97, McC77, MM91a]. Multiplication/Division/Square
[LD99]. multiplications [GLM15]. Multiplicative
[Bak75b, SL95, Che71, IYT97]. multiplicities [Zen04]. multiplier
[HFS89, SF93b, WG92]. Multipliers [Ahm89, ELMT00, WS05a, WG94b].
Multiply [BDL09, ZG87, IYT96, MM92, WMDM92]. Multiply-Add
[BDL09]. multiply-additions [ITY96]. Multipolar
[Hom98a]. Multiprecision
[Bai93, BM15, CVW06]. Multistep [Ske86a, Ske86b].
multivariable [DCL+92]. mutivariate
[CKL+92, Ein89, Gom89, Rac82, SLD16, Ter81a, vR89]. Multiword [JF16].
MultiRoot [Zen04].


North [BCEP94, IEE89b]. Notation [CK89a]. Note [Ano84, BH99, Gla79, God01, Leh44, Mil57, NSR10, O'TS2, Sal83, Ver67, Fin73, FW85, HR72, LK73, Pro83, Tuk48, Wri84, Zha86a]. Notes [Boe61, Boe62, Bur63, Bur64, Esc37, Fet67, Fra65a, GB68, Gla66, Har66, HKW60, Hua65, Hum64, JG65, Jan99, Kal34, Lan60, Lon59, Lor89, Mec68, Moe67, SFA67, Tak66, Tho65, Tho66, TM68, Ver67, WC61, WMI68, WKG66, Woo67, HYU07, LM07]. Nothing [Kah87]. Notices [Moo67]. Novel [Bas01, SK10]. Numerical [Abe88, BM15, Boi97, BO75, Bul65a, Bul65b, Bul69b, Car95, Cas83, CY18, CH70a, CJR91, CIR29a, CJR92b, Cow77, Dub83, DK90, Ehr61, Fra65a, Fr65, FI94, Gar79, GS81, GST07a, GST20, Gub66, HL13, Hul78, IP87, Jap94, JL12, KWC1, Kin21, Kin24, Kin07, KZ90, Lau95, Let01, LB90, LO94, Mat04, POP17, PTVF07, Pri66, Pro87, Tem79, Ten0, Ten07, UI90, WIE99, AGA+80, BGV81, Boy14, Bre18, Bre77, Bre78c, Bre78b, Cuy94, Ein94, El83, EH16, Gor82, G84, HydR63, Lau04, Mi75, MN16, Mi693, NSU20, PBN93, Rdl01, SGA81, SL83, Spi85, Tem76, Tem83a, VRS+95, VRS+99, Wil71, Zha96b]. Numerically [GST07b, Tal09]. Numerics [Nav83, AAS93, Squ91c, Squ91b]. numerique [Bre77, Bre78c]. NumExp [HL13]. NumSBT [Tal09]. Nuttall [Pak18].

Oak [Cow77]. Ob [DZKK77]. Oberhettinger [Coh12, Szm13, Wig67]. Objectives [Kuk71]. Obtaining [SK71]. occasion [AGA+80]. occurring [AJ03, Boe91]. Oct [UI90]. October [IEE89b, IEE89c, Lav80, Sin95, USE88].

[Ano84, BH99, Gla79, God01, Leh44, Mil57, NSR10, O'TS2, Sal83, Ver67, Fin73, FW85, HR72, LK73, Pro83, Tuk48, Wri84, Zha86a]. Notes [Boe61, Boe62, Bur63, Bur64, Esc37, Fet67, Fra65a, GB68, Gla66, Har66, HKW60, Hua65, Hum64, JG65, Jan99, Kal34, Lan60, Lon59, Lor89, Mec68, Moe67, SFA67, Tak66, Tho65, Tho66, TM68, Ver67, WC61, WMI68, WKG66, Woo67, HYU07, LM07]. Nothing [Kah87]. Notices [Moo67]. Novel [Bas01, SK10]. Numerical [Abe88, BM15, Boi97, BO75, Bul65a, Bul65b, Bul69b, Car95, Cas83, CY18, CH70a, CJR91, CIR29a, CJR92b, Cow77, Dub83, DK90, Ehr61, Fra65a, Fr65, FI94, Gar79, GS81, GST07a, GST20, Gub66, HL13, Hul78, IP87, Jap94, JL12, KWC1, Kin21, Kin24, Kin07, KZ90, Lau95, Let01, LB90, LO94, Mat04, POP17, PTVF07, Pri66, Pro87, Tem79, Ten0, Ten07, UI90, WIE99, AGA+80, BGV81, Boy14, Bre18, Bre77, Bre78c, Bre78b, Cuy94, Ein94, El83, EH16, Gor82, G84, HydR63, Lau04, Mi75, MN16, Mi693, NSU20, PBN93, Rdl01, SGA81, SL83, Spi85, Tem76, Tem83a, VRS+95, VRS+99, Wil71, Zha96b]. Numerically [GST07b, Tal09]. Numerics [Nav83, AAS93, Squ91c, Squ91b]. numerique [Bre77, Bre78c]. NumExp [HL13]. NumSBT [Tal09]. Nuttall [Pak18].

Oak [Cow77]. Ob [DZKK77]. Oberhettinger [Coh12, Szm13, Wig67]. Objectives [Kuk71]. Obtaining [SK71]. occasion [AGA+80]. occurring [AJ03, Boe91]. Oct [UI90]. October [IEE89b, IEE89c, Lav80, Sin95, USE88].

[Ano84, BH99, Gla79, God01, Leh44, Mil57, NSR10, O'TS2, Sal83, Ver67, Fin73, FW85, HR72, LK73, Pro83, Tuk48, Wri84, Zha86a]. Notes [Boe61, Boe62, Bur63, Bur64, Esc37, Fet67, Fra65a, GB68, Gla66, Har66, HKW60, Hua65, Hum64, JG65, Jan99, Kal34, Lan60, Lon59, Lor89, Mec68, Moe67, SFA67, Tak66, Tho65, Tho66, TM68, Ver67, WC61, WMI68, WKG66, Woo67, HYU07, LM07]. Nothing [Kah87]. Notices [Moo67]. Novel [Bas01, SK10]. Numerical [Abe88, BM15, Boi97, BO75, Bul65a, Bul65b, Bul69b, Car95, Cas83, CY18, CH70a, CJR91, CIR29a, CJR92b, Cow77, Dub83, DK90, Ehr61, Fra65a, Fr65, FI94, Gar79, GS81, GST07a, GST20, Gub66, HL13, Hul78, IP87, Jap94, JL12, KWC1, Kin21, Kin24, Kin07, KZ90, Lau95, Let01, LB90, LO94, Mat04, POP17, PTVF07, Pri66, Pro87, Tem79, Ten0, Ten07, UI90, WIE99, AGA+80, BGV81, Boy14, Bre18, Bre77, Bre78c, Bre78b, Cuy94, Ein94, El83, EH16, Gor82, G84, HydR63, Lau04, Mi75, MN16, Mi693, NSU20, PBN93, Rdl01, SGA81, SL83, Spi85, Tem76, Tem83a, VRS+95, VRS+99, Wil71, Zha96b]. Numerically [GST07b, Tal09]. Numerics [Nav83, AAS93, Squ91c, Squ91b]. numerique [Bre77, Bre78c]. NumExp [HL13]. NumSBT [Tal09]. Nuttall [Pak18].

Oak [Cow77]. Ob [DZKK77]. Oberhettinger [Coh12, Szm13, Wig67]. Objectives [Kuk71]. Obtaining [SK71]. occasion [AGA+80]. occurring [AJ03, Boe91]. Oct [UI90]. October [IEE89b, IEE89c, Lav80, Sin95, USE88].
ODEs [LO93]. Odnomeryň [PS93]. Off [Kuk71]. Ohio [Fet81a]. Old [FR98]. On-Line [Erc78, OE82, PBE03, DHM89]. On-the-fly [EL89b]. One [BTT16, Gau65a, Hit57, Lir71, PS93, SLZ05, BBB89, Pol49, SF10, Spi85, Tes69, Car91, Jan77]. One-Dimensional [BTT16, PS93]. One-Half [Lir71]. one-step [Spi85]. One-Variable [SLZ05]. Ontario [Bro07, SLJ93]. Ontwikkelingen [Dop42]. Onvolledige [Dop42]. OpenCL [MHSK16]. Operand [EM04a, EM07, WS06, EM04b, IYT97]. Operands [SF16]. Operating [Rot70b, Shin86]. Operation [SF16, SF96, SF93a]. Operational [BC79, BDGP14]. operations [BWKM91, Gon89, LBdDM16, Sch93a, Sch93b, TE06, VCV01]. Operator [von80, FS96, Sun88]. Operatorkonzepst [von80]. operators [AHM+98, CG89, GS82a, GKH89b, Hei88, Mit92, Whi82]. Optimal [AM89, Ge89, MM91b, Mon67, Wi70, von80, EH16, Fik67, McC77, Meg89a, Roc82]. optimaler [von80]. Optimization [Dan77, DB13, Gly89, OLHA95, RdL01, Sin96, Pol88]. Optimizations [BJG+99]. Optimized [AK09, ABJ19, BM04, MCT18, SK80, WO15]. Optimizing [LGML05]. option [SR16]. oracles [Boy14]. Order [Amo86, Amo90, Amo95, Ano46, Ant64, BH65, Car75, CMF77, Cur64, FK11, FR76, Hit57, Kod08, Kod11, Lau73, Let01, LB90, Lir71, Mec68, Olv64, Olv67, Osi13, PT91a, PT91b, Rap94, RL80, SW99a, Soo73a, Soo73b, Abe16, Aabr45, Ada98, AG08, AM78b, AM79, AM84a, AM84b, Bar81, BST13, Bref18, Cam79, Cam81, Cam84b, Cam84a, Coo65, Col80, Col84, CS82, DAV12a, DAV12b, EM94, Fuku15d, Fuku15b, GST04a, Gla74, GM88, Hai60, HR07, Jon06, KK96, KKY07a, KKY07b, KRVZ98, Kra85a, Kra85b, Lev91a, LS95, MG89, NR15, NP18a, O’80b, Rap01, RdC93, RX07, KR86, Sca71, Sch93a, Sch93b, SS65, TB86, TB87, Tho04, XC15, de 77, dT93]. order-differential [KR86]. Orders [Alh00b, GST02d, NDT69, ND70, Alh00a, CT67a, CT67b, GST03a, GST04b, IKF91, SG98, SG99, Wa184]. Ordinary [A008, Bra73, Cas83, Tem79a, Sca71, Tem76]. Oregon [BCDH09]. organization [Sal76b]. Oriented [Erc77, MKY92, PP12, AGA+80, OY91]. Original [Chl11]. Orlicz [Mus87]. Orthogonal [BGVHN99, DGA18, Hoe64, Hom98a, KV03, PGA18, SC01, Sue99, VB04, CKL89, CV03, DM08, El06, Ekb01, Hom94, Pas08, zCFF05]. OS/360 [Kuk66]. Oscillating [UE05]. oscillatory [BO75, CY18, RW21, Vep08]. Other [Bal00, LC61, MR71, Olv91, Air37, Boy14, Squ91b, SR53]. outer [Fuk83]. outline [CHGM99]. Overconvergence [Ehr89]. Overflow [KNS95, LM07]. overview [MI97]. Overlapped [PZ95]. Oxford [Boi97].

P [Coh12, Fet81b, Kpl97, Kum81, Szm13, Tal68, Wgb67, Fr663a, T.57]. P.C. [WNO94]. P.D.E. [Fri72, SM70]. Pacific [Sin95]. Package [Amo86, Amo90, Amo95, Cod75, Cod91, Cod93, Dri89, Kod08, Mat87, Sal92, Smi91, Tan90b, BC09, Dri91a, Dri91b, Dri91c, GST15b, KRVZ98, Mac96, Squ91a, Squ91d, Tan91a, VRS+95, VRS+99, Zen04]. Packages [DPC95, BK16, Kra95, Squ91b]. Padé
[AGJ86, Bor88, Dri95, DF78, GSS12, KSVW07, Sab08, WdZ04]. **pair**

[HFS99]. **Paleo** [BB12]. **Paleo-Mathematics** [BB12]. **paper** [Tra60].

**papers** [Spr00, Boe61, Boe62, Bur63, Bur64, Fet67, Fra65a, GB68, Gla66, Har66, HKW60, Hea65, J65, Lan60, Lon59, Mec68, SF59, Tak66, Tho65, Tho66, TM68, Ver67, WC61, Wil68, WK66, Woo67]. **Parabolic**

[Jon06, Mil64, SG98, WR71, GST06a, GST06b, GST11b, LR74, MMV81, RL76, SGA81, Tem00, GST11a]. **Parallel**

[Bak75b, CA00, Gar75, Gar80, LC97b, Lo93, RHMLL08, SS93b, SKL93, Tan87, BBC+91, Joh88, Mat90b, PNV01, S92, Tak00]. **Parallel-array** [LC97b]. **Parameter**

[Sau92, Töl68, AG08, DD76, EC13, Fuk09b, PS78, Roc82, YM03]. **Parameters** [DJ67, NPA16, Won73a, BS00, Bus74, GS88, KKY07a, KKY07b, MM95, Tem94a, Tem66b, Töl68]. **Park** [IEE89b]. **Part** [Fet81a, NPA16, SZ70, Kru99, LU96, Ben83, Cas83, SZ74, SZ76]. **Partial** [Büh99, Sch16, AO08, Bus74, HBF09, MKS83, War75]. **Particular** [Völ83].

**partition** [FNC75]. partitions [AGJ86]. parts [Tim87]. **Pascal**

[von80, MKS83]. past [Bre85]. **Pathways** [Meg89a]. **Patras** [SC01]. pattern [Sid06]. **Patterson** [Fet81a]. peaks [Phi79]. **Pendulum** [PS05].

**Pennsylvania** [Tra76]. percentage [Fet79]. perfect [Dun90, dDM06]. **Performance** [ASA06, BTDS11, Cod90, Gal85, SKL95, CL00, CP99, Gal86, MMW01, MM92, SA00, WMDM92]. **Performance-Driven** [ASA06].

**Perimeter** [Adl12]. **Perimeter** [DR89, JW88, KS88, Lem88]. periods [Tod90]. **Personal** [Egb77]. perspective [BIS01]. **Perturbation**

[Hom99b, Boy14]. perturbed [JS99]. **Phase** [CH70b, FK86]. CS83, Hor17]. **Phase-integral** [FKY66]. phenomena [Sti88]. **Phi** [Hin77]. **Phys**

[Tho04, VRS+99]. Physical [Flo15, Mat93]. Physicists [AW05, AWH13c, Arf85, AW01, Fets81b]. physics [Ar98, Coh12, GI01, HBF09, Her82, Hoc61, MO49, MOS66, NU88, Snej56, Snej61, Snej63, Snej80, Tem96a, Veb12, Szm13, Wig67]. Physik [Snej63]. **Pi** [Bre17]. **Pick** [Ped03]. **Piecewise** [KP75, SDP11, Fuk15b].

**Piecewise-Polynomial** [SDP11]. pipeline [OJ04]. pipelined [CCCP99].

**Pipelining** [TE06]. **Pitfalls** [Boo06]. **Pittsburgh** [Tra76]. **PLA**

[EL89c, EL90]. **Places** [Knu62]. **Plane**

[BDG+72, EW76, BDG+84, CM83, GJL20, Töl67b]. **Plesset**

[Hom99b, Hom96b]. **Plethysm** [Car90]. **Pocket**

[McC90, Nor89, Pag77, Lin89]. **Pocket-Calculator** [Nor89]. **Pocketbook** [Bar14]. **Poincaré**

[Hau88, Lev91a, Pas92]. **Point**

[AAHT10, BM04, Blu97, Bra87, CH98, DGS65, D+89, DHL+04, GB91, Has90, Hul78, IP17, JKMR11, JMMW79, Kah80, LP16, LP17a, LP17b, LM15a, LD89, MMNP91, Meg89b, Mey01, MLS+18, Rev16, Rus98, Sch88b, Smi91, Tan89a, Tan90d, Tan92, WS05b, dLM11, dDH15, Ane67, BBC+91, BS06, BWKM91, BCK+93, Bol06, BMR04, CHGM99, Cro92, FHL+07, GLM15, GM88, HRR00, Hou81, HS20, KMB94, KMY99, Kra88, Kra98, KML70, LBDM18, LKH93, LC97a, LMOT01, MT72, MG89, MPG92a, MPG92b, Mat90b, OY91, Obe99,
Presentations [Bot02]. Press [Lip21]. Priblizhenie [PT80]. priblizhenii [DZKK77]. priblizhenii [Saa91]. prices [SR16]. prilozenii [PT80]. primal [KMY89]. primal-dual [KMY89]. Prime [JF16, Per85a]. primitive [Dri91b]. Primitives [Laz85, EM03]. Principal [Har97a]. Principled [OLHA95]. priori [Kra87, Kra98]. priors [GK98]. Probabilities [GSS12, GW91, Whi63, Bag95, Düm10, SLD16]. Probability [Car75, Div79, Lin90, LB09, SZ70, ZS64, CD02, CDS03, Fei78, Lin89, Mar88, McN73, Pol49]. problem [Boe91, EC79, Gre82, JS89, JMS89, Mag94, Sko04, SW88, Voa91]. Problems [Bre82a, Cas83, Ovt03, Ric68, Rob55, AO08, CMV69, Gro92, OSS09, Pol88, RdL01, RT89, Spi85, Was89, Wen01]. Procedure [Gau79b, Di 86, MI72, Ye17, HJ67b, Mac65, Mac68]. procedures [Cod82]. Proceedings [AGA+80, AGL93, Ano91, ??90, ESS9, Hwa85, IE87, IE88a, IE88b, IE89, IE90, IP87, IL07, KMI95, KM91, Lak96, Lav80, Luk99, MT85, Mul82, SE11, SI193, TT18, Tra76, Ul190, Ask75, Ban01, BL91, BC01, CDS00, Koo91, KK99, LMT97, MMH89, Mar85, MC87, Mil75, MT86, Ric92, T′97, USE88, Wah04, Zah94, ACM89, Ano06, Boi97, BCP94, Bro07, BCDH09, DIW00, IE05, IE13, KM07, Men06, MS94, SO11, SC01, SKL93, Spr00, Gre16, RDK98]. Process [Whi63, Bell90]. Processes [SK71, Bre83, Ebe89, Ruy99, Wen01]. Processing [Lav80, SKL93, JL94, Luk99]. Processor [D+89, Dav81, Nav83, Rus98, AGS99, DMS95, Mar90, Mat90b, PKS00]. Processors [IE889c, IE89, Rev16, T′97, VDR05, BBC+91]. product [AB88, Gla74, LW89, Max91, MS15, VC06a]. Production [Sch76b, Sch77b]. Products [KK97, MS86, SL69, XD18, IK73, KZ+14]. Professeur [AEF92]. Professor [AEF92]. profile [Dav59]. Program [Bar76a, Bar76b, Tem79a, BDM81, Bar84c, DSK83, DSK84, DF84, LMS73, MK83, NT84, SSC+18, Wen64, Wie99, Zei91]. Programmable [LA85, LE95, LE93]. Programming [Bee17, Chr62, DGS85, Fr663b, ISO10, Meg89b, Mul82, Ano67, Chr65, Gon89, Joh88, KMY89, Meg89a, PUHM12]. Programs [Bai83, BMM84, Cah54, Cod90, Köl84, Köe84, Mos89, TGC89, WNO94, WGW51, WGW57, WWG82, BW89, Dan94, Fuk83, Gon89, Tho97b, Tho97a]. Progress [FLR03, Meg89b]. project [GST14b, Loz00]. projection [Som82]. projections [Via89]. projective [Via89]. Prolate [LP61, LP62, MC04, Osi13, SP61, SIE64, SLE65, SL78, RX07, SS65]. Prony [LB09]. Proof [BMZ02, Rus98, BMZ06, Bol06, Leh83a, Leh83b, Min88, Rus99, Zim00]. proofs [CHGM99]. propagation [GK70a]. Properly [HA85]. Properties [Bar10b, Kui52, RGK72, Sch76a, Sho02, Sie76, AB88, BG84, Che11, CB12, Che16c, GR92, GL01, Her82, Hig77, Kra89, Mak80, Mat92, MC04, MO18, Ris79, Ruy99, Tre80, Tri50]. property [AR99]. Proposal [BCK+93, DHL+04, OGWY94]. Proposed [AOB64, Dri89, Dri91a, Dri91b, Kah80, Loz96a, Loz97a, Sal92, Squ91a, Dr19d, Dr19c, Hon81, Squ91d].
Provably [Dun87a, Dun87b, Dun88, Dun94a, Dun94b]. Prover [Bor02].
provider [Ste08]. Proving [CH98, Bel89, Zei91]. proxy [Boy14]. pseudo [Bre74]. pseudo-random [Bre74]. Pseudodivision [SK71]. Psi [Amo83, CST73, Din98, Moo67, SB71, Tho65, Alz97b, AR99, Che11, CB12, Che13a, CE15, Che16a, Ele15, Kat78, MM95, QL19, XC17, YC15, Win74].
Punch [Gel51]. Punkte [Bra87]. Purdue [Zah94]. PVM [PNV01].
Pythagorean [Dub83, MM83]. PZ [CDS00].
Ratio \cite{BB74, DJ67, Hin77, OM68, PSB76, AS05, BS78, Gom89, Lud63, McC83, Mer05, PH67]. Rational \cite{AL20, BSW95, Bla74, BEJ67, Hin77, OM68, PSB76, AS05, BS78, Gom89, Lud63, McC83, Mer05, PH67, Sha76, Squ70, VB04, WC90, WBR82, Wyn60, AQ18, Ali11, BZ92, Bra84, CL61, CMV69, Cuy94, Dan77, DAV12a, DAV12b, Eck77, Eli83, Fik67, Fuk15d, Fuk15b, Jam99, Kra85a, Kra85b, Loo93, Lun94, Luk56a, Luk56b, Luk76, Mag94, Mar86, MM95, Saa91, SK08, Sie76, VT11, CT67a]. Rationale \cite{Dri89, Dri91c, Squ91d]. Rationals \cite{DSK83, DSK84]. Ratios \cite{Amo73, AVV90, Che72, DM88a, DM92, DM86, GST12a, XD18, Amo74, Che15b, Del81, Gau64c, Gau64d, Gau77a, GS78}. Raton \cite{Lip21]. ratsional’nykh \cite{Saa91}. ray \cite{Phi79}. RCWFN \cite{Bar76a, Bar76b, Bar84c}. Real \cite{Ano03, Ano06, Bar76a, Bar76b, Bra87, CP98, CMF77, DLM09, DiD78, EH16, GKS04, GZ75, Kra87, Mor76, Mor79, Mül90, RL50, Ric68, Soo73b, Soo73d, Sou57, Wan74, Zag19, AM78b, AM84b, BFSG74, Bar81, Bar82b, Bar84a, BFSG84, Bar84b, Bar84c, BY07, Bat19, BF92, Bro89a, Cam79, Cam81, Cam84b, Cam84a, Car95, Cob69, CS82, Fab02, GS88, GST06b, GS12, Gon52b, Krä87, KRZ98, Mul85b, NP18a, PST8, Ric88, SG99, T.57, TB87, Tho04, Tur72, GST06a, HJ67b]. real-imaginary \cite{BF92}. Realistic \cite{Fra78}. Reasoning \cite{BCD+02, CDJ+01]. Rechenverfahren \cite{Hen77}. Rechnerarithmetik \cite{von80}. Recipes \cite{PTVF07}. Reciprocal \cite{ALMN05, BTDS11, EIM+00, Int03b, IM99a, IM99b, LA01, LA03, PB02, Tak01, WS06, CLZ04, FW84, GEK04, JLR94, SL99, Wri84}. Reciprocals \cite{BTDS11, SW99a, CO86, Sin96}. Reciprocation \cite{ELMT00}. Recoding \cite{ZCL15}. recognition \cite{MS82}. record \cite{Rah01, Sin95}. recourse \cite{BW89}. Rectangular \cite{WG94b}. Recurrence \cite{Act74, ALMN05, Fat16, Gau67, GT59, LA01, LB90, Lew85, Lew87, Mec68, OS72, Oli88, Pre60, Sch77a, EL94, EM03, HS20, Lev91a, LE93, VC06b}. Recurrences \cite{Tha79}. Recursion \cite{GM04, LDP93, OSS09, Wim88, Will71}. recursions \cite{GST07b}. Recursive \cite{Chi11, Ekl01, Fuk13b, Gau61, Gau63, Gau70a, Gau99, SG76, XD18, GF86, SS10}. Redheffer \cite{ZS08}. Redheffer-type \cite{ZS08}. Reduced \cite{CM13b, CS83, MKS83}. Reducibility \cite{JMMW79}. Reducing \cite{MC93, MC95}. Reduction \cite{BDL09, BD+05, Car70a, CF00, JSH+11, MM95, NC66, Shi93, Smi95, SLZ05, BK16, DMM95, Gra02, HTH94, VB81, vRdL88, BK16}. redundancy \cite{HF95}. redundant \cite{LKHH99, LP83, MC93, MC95, SL99, ZXRZ01}. reelle \cite{Bra87, Kra87, Mül90}. réels \cite{Mul85b}. Reference \cite{Car74, HH18, WWG82}. refinement \cite{KI16}. Regency \cite{IEE89c}. regimes \cite{YM03}. Region \cite{IEE85, Fet74, MO18}. Regional \cite{Men06}. regions \cite{ND19}. Regular \cite{AS95, CP70, Iike75, Iike76, Sha76, Bar81, Bar82c, Nis84, SSG+18, Gau66b, Gau69b, Köfl91a]. Reihen \cite{Bau89}. Related
[Cle69, CP70, Gaut69b, GZ75, Kö69a, Kö69b, Kö69c, Mor76]. Šaṅkara [Hay99]. Saddle [FCC73b]. SAIN [Kee82]. Salzer [Ano84]. Samos [VDR05]. Samples [Pom74, Pom76]. San [Koo91, SE11]. Sanskrit [Plo96]. Santa [ES89, IEE78, MSH+16]. Santander [GST14b]. Satisfactory [GST07b]. Satisfying [EM94]. Satisfactory [Hei88]. Scalar [ACG+86, FFS83, ACG+87]. Scaling [ALB98]. Scan [UI90]. Scattering [Len76, MS68, Car82, Kre89]. Scheme [Cha11, Kai89]. Scheme [Chl11, Kai89]. Scissors [CH78, Hāv79]. Scissorial [LP83]. School [HUY07]. Schranken [Rot70a]. Schwarz [Sti53]. Schwarzschen [Sti53]. Science [IEE89b, LMS99, MC87, RW04, Tra76, RM07]. Sciences [MS94, Spr00, Bar14, Mat93]. Scientific [AK93, Lov53, MT85, PTVF07, Pri66, SKL93, AEF92, MT86]. Scientifique [AEF92]. Scientists [BF71, Bel68, Bel04, Lau95, Lau04, MH08, Sen67, Kö97]. Scorer [GST02c]. search [Hig93]. Searching [SLZ05]. Secant [Plo96]. Second [Bra70, Car87, CMF77, DH59, AEF92, FL67, Kö97, LW63a, LW63b, LB90, Mec66, Olv67, SW99a, Van69, BL96, BL91, DA12b, Fet81, Fuk11, Gla74, Her61b, HvdR63, IKK91, Jam81, Koo91, Lar66, LLK14, Mid75, Mor99, PDK96, RDK98, Tem76, VC60b, WC90, Wen96, YM03]. Second-Order [LB90, Olv67]. Sections [Mü99, Rus88]. Segment [Lef05]. select [CL00]. selected [Ban01, TB87]. Selection [Kor05, LM95, Rus13, ALB98, PEB02, PBE03]. Selections [Som82]. Self [CC69, GREL96, LKK99, MIT+95, UI90, CCCP99, MI97]. Self-contained [CC69]. Self-Timed [MIT+95, LKK99, CCCP99, MI97]. Self-Validating [UI90]. semantic [PUHM12]. Semantics [BWKM91]. Semi [LM15a, VM19, Cro92]. Semi-Automatic [LM15a, VM19]. Semi-infinite [Cro92]. Semicirculant [HBS00]. Semigroup [Fei78]. Seminar [Ask75, Lazar85]. Sense [Dar70]. Separable [FLM00]. Separation [Str56, SMCH41]. September [Ano03, ES89, IEE89a, SC01, Wall94]. Sequence [Alb62, Cod83, Tro84, Wim81, Hom98b, Mus87, Wen89, Wen96]. Sequences [Bra65, Ekl01, FFS83, Osa90, Bre78a, Del81, DGB82, GB90, Gon52b, Lev73, LM08, LSY15, Sed90, Yey92]. Sequential [Kar84]. Series [AGS99, AS54, BM15, BS98, Cah54, CRZ00, Fat16, FFS83, Fuk12, Gas81, GS82b, Hom96b, Hum64, Kal04, KC76, Lü59, LC61, Pie84c, Plo01, Pri75, RS81, Sch16, SJ01, Van69, WRT01, Wre68, Wre73, Wen60, AO08, Air37, AJDG02, Ano84, B15, Bau99, BBD03, BB94, Bogo91, BF92, Ber10, BS78, Boy90, Boy14, BCC91, CR08, CGKZ05a, CGKZ05b, DTLM98, De 91, DT09, Del79, Dom03, Gus78b, Gus84, Has02, HBF09, Hom94, Hom98b, Hom99, Kat78, Kruk95, Lrk66, Lew94, LP95, Lóp98, LT13, Mc83, Mc84, MC04, MS87, Ng68, Ole96, Par09, Pas95, Pas08, PBN93, Pie84b, BM86a, BM86b, PBM92, Sal83, Saw02, Sch76a, Sch77a, SLH06, Sid66, SJ12, Vep80, Ver77, Wen89, Wen96, Wen01, Wen07, Wen10, WN09, Woz10, ZB97]. Service [Loz96a, Loz97a]. Session [DM08, Ric92]. Set [DPC95, Tem94b, DGB82, GP84, Hay99, Meg89a]. Sets
Setting [Rah01]. Seventh [MS94]. Several [AG86].
Shared [MIT+95, Fan89, KP98, LKKH99]. Sharp
[BD85, CT16, Mor14, QV96, YCZ15, MRS18, SR16]. sharpened [Kai89].
Shift [CH70b]. Shifts [BM04].

ADN03, Boe61, Boe62, Bur63, Bur64, Fet67, Fra65a, Gla66, Har66,
HKW60, Hea65, Hum64, JJP85, Lan60, Lon59, Mcc68, Moo67, SF59, Tak66,
Tho65, Tho66, TM68, Ver67, WC61, Wil68, WKG66, Woo67]. Should
[PW76]. Shrivenham [MC87]. Shue [SR81].

SIEAM [SKL93, IP87]. Sided [Sch84]. Sieve [Neg98]. SIGForth
[AGM87]. SIGForth [Koo91]. Sigma [Töfl67a, Töfl67a]. Sigma-Funktionen
[Töfl67a]. sigmoid [WR96]. Sign [Kah87, HHR00, Sid06]. signal
[ML94, Luk99]. Signals [Sin95, LP62]. signed [CA00, LKKH99, RN96].
signed-digit [CA00]. Significant [BL94, DM88a, DiD90, DM92]. SIGSAM
[ACM89]. Similar [Tho66, Völ83, Act74]. Simple
[BS79, HMO19, Jan11a, Jan11b, MC91, VLCSFN+12, Zang17, von84, CB09,
Cho14, Cre91, Dom03, KRVZ98, Leh83b, Lew94, NS13, PNV01, Vai89, Wen64].
Simpler [Lin90, Sha85]. simplex [Blo88]. Simplification
[Bro89a, BBD03, BD02]. Simplified [TM68, Wan80]. simply [SE14].
Simulation [MMH89, Toc63, Gly89]. Simultaneous
[Gar79, BL96, Be90, KIC04, Sun88]. Sinc [GS91]. Sine [Cum62a, Cum62b,
Plö01, S76, Tan90e, Bak76, BS11, Mar00, JL94, PKS00, Såf10, Paw11].
sine/cosine [Bak76, JL94, PKS000]. Single
[Fra65a, HHv73, LP16, LP17b, SH72, Hon71, LC97a, MI97, WG95]. Single-
[HHv+73]. single-rail [MI97]. singular [BS06, DKS2, Mus87, Whi82].
singularities [Tim87]. singularly [JS98]. sistemakl [LP83]. Sivashinsky
[AGH89]. Six [ACF10, WOG95, ZS08]. sixteenth [Hay99].
sixteenth-century [Hay99]. Sixth [SKL93]. size [Be89, Par99]. Sketch
SLEEF [SP20]. Slepian [MC04]. sloping [Ehr89]. Slow
[LB09, Wil70]. Slow-Fading [LB09]. Slowly [UE05, Lew94, WN09, Wö10]. Small
[Der77, ELMT00, Pom74, Pom76, BZ92, GST15a, Pie84d, Shi93]. Smirnov
[Pom76, Pom74]. Smooth [Pol88, KS88, Pro88]. smoothing [BD15].
Smoothness [GG89a]. SMT [KI16]. SMT-based [KI16]. Sobolev [Zie89].
Society [Ban01]. Software
[And82, Bee17, Bol97, Cod71, CW80, Cow77, CBBV10, Gre16, Joh87b, Käh80,
Loz94, Loz96a, Loz96b, Loz97a, Ric71, Sch77b, Tan90c, WNO94, dDM06,
Cod82, Ein79, GST14b, ISO10, KRVZ98, LKK19, Mac94b, Mac96, Smi01].
solids [Har77]. Solution [Die83, Hom96a, LB09, Ml57, Pri55, Rob55, DK77,
Lev91a, Luk56a, Luk56b, Rut51, Sia85]. Solutions
[Cle69, Fri72, Obl67, GST04b, GST07b, Rdl01]. Solver [Flo15]. solves
[SD85]. Solving [Boy14, Fuk83, Gon89]. Somastuvan [Hay99]. Some
[AB88, Alz93, Bak75b, BM80, Bre82b, Car70a, Che11, CB12, DHH89, Elb01,
Erc72, ELMT00, Fdh97, FB91, Fil66, GB68, Gl66, Gl74, HP62, Her82.
Hit75, HKA93, Ker83, Kin21, Lav86, LM07, Lu14, LSM15, LM15b, Luk75b, McN73, Mon83, Osa90, Pas03, PC93, QM15, QVV98, RGK72, Ric68, Ruy89, Sle65, SW88, Tan90c, Wim62, XC14, Alz97b, Alz97c, Arm82, Bak73, Bak75a, Bre78a, CC17, De 91, DF78, FW80, Fn81, FW85, Gau11, GM84, GK89b, HP93, Hei88, Hol90, Ku52, Kza92, LW14, MT72, MY91, MC91, Now06, OSS09, Pal98, PS86, QGG10, Rza12, Srd90, SL83, Sim64, Ter81a, Tre80, Wen01, Wim72, WN09, Woz10, VB81. Sommerfeld [Fuk14a]. Soni [Coh12, Wig67, Szm13]. Sound [HJ96]. Southard [T.57]. Southeast [Men06]. Space [CGKZ05a, CGKZ05b, LP62, Mus87]. Space-efficient [CGKZ05a, CGKZ05b]. spaced [FK88]. spaces [AB88, Som82, Yos97, Zie89]. Spanish [MCM90]. Special [AGL93, AK09, And98, AAR99, AKS01, Bal00, Ban01, Bat07, BW10, Bel68, Bel04, BS11, Bre80a, BIS01, Car70b, Car77b, CMW63, Cod75, CVW06, CPV+08, CBBV10, Deu76, DM08, El 06, Fei78, Ful77, Gau75, GST03b, GLR07, Hoc61, Joh14b, Köl87, Koo91, Kor11, LM15a, Leb65, Leb72, Loz94, Loz96a, Loz96b, Loz97a, Loz97b, Luk69a, Luk69b, MH08, Mil65, Mos72, NU88, Olv74, Rat60, Ric92, SF16, Sch76b, Sch77b, SC01, Sme56, Sme56, Sme63, Sme80, SZ70, SZ74, SZ76, Szm13, Tal68, Ten96a, Vil88, WG89, Wig67, WVG82, ZJ96, A008, Ano93, Ano98, Ars81, Ars85, AN86, Ask75, BC09, BBC+14, Ber01, Bre10, Buc69, Bus74, Car82, CKT07, CDS00, Coh12, DKK80, DIW00, GI01, Gau63, GG08, GST02a, GST07a, GST14b, HBF09, Hig77, ISO10]. special [IK05, KV03, Koe16, LO94, Mac96, MOS66, Mar88, Mat93, Mil68, Mos69, PNV01, PBM92, RDK98, Sau93, Sen67, Sid06, Tem83b, Tem07, Töö66, Töö67a, Tri66, Ubl89, VK95, WS84, Wen01, Wen07, Wim82, vdLT84, Ban01, Die80, DM08, Her82, PBM86]. Special-Function [Kor11]. speciali [AN68]. Specialness [Bat07]. Specific [GBKK09, HCK09, IEE08, T+97, VDR05]. Specification [MHSK16]. spectral [Koe16]. Speculation [CL94b]. Speed [CG85b, JSH+11, Maj85, PB02, POMB05, RGK72, SW99b, SC71, SA57, ZG87, BHJ05, CCCP09, Fan89, LMT+92, Mar90, Sei99]. spezielle [Töl66, Töö67a, sne63]. Spherical [AM78b, AM84b, Bra73, 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]. Spheroidal [Fla57, LKL02, Low64, Osi13, Sle64, Sle65, Sle78, Str56, V+75, X18, LP61, LP62, MC04, OWS+14, RX07, SP61, SS65, SMCH41]. SPIE [Luk99]. SpiNNaker [MLS+18]. SpiNNaker-2 [MLS+18]. Spline [Lin79a]. splines [DR89, Sab08]. split [WG92]. splitting [Kre89]. sponsored [Ask75]. Spring [AFI71]. Springer [Fet81b, Köln97]. sqrt [Rah01, Kahl96]. Square [ARH14, ADN03, Ahn96, Ale77, Alt79, AMT78, ALMN05, AMS76, BB12, BV85, BO93, Bee91, BMZ02, BR73, BFHRT85, BJK+11, BH07, BTDS11, Cam86, Car74, Cat86, Che72, Cod64, CG85b, CH98, CHI+03, CL94b, Cow64, Cre01, Cre98, D+89, Die83, Egbl77, ES99, EH16, Erc78, EIM+00, ELMT00, EM04a, EM07, Esc37, Fik66, FR98, Fri67, Gar75, Gar79, Gar80, GBKK09, HAK91, HCK09, Has90, Hei96, Hol69, HMO19, HA85, Int03a, Int03b, IM99a,
Square [Par06, PB02, PZ95, RGK72, Rix82, Rob69, RHMLL08, Rol87, Rot70a, Rus98, Rus13, SH72, Sar59, SK71, SG02a, Sch84, Sch85, SW99a, SW99b, SL95, SL97, Swa65, Tak01, Tha61, Tho93, Tor02, Tra60, Tur94, Wad58, Wal80, WS05b, Wei83, Wil70, WS06, Yoh70, Yoh73, Yon70, Zim99, ZG87, AGS99, Aro12, BH99, Bas01, BMZ06, Bic81, Bra84, BMST97, BH01, Bur82, CCC96, CCCP99, CF00, Cat85, Che71, CL94a, CL95, CL00, CM90, CO86, CHGM99, CP99, CLZ04, DD76, DSK83, DSK84, Dut86, EL89b, EL89a, EL89c, EL90, EL94, EM03, EM04b, Eve63, Fun89, Fre81, GST15b, GREL96, Har03, HRR00, Has00a, Has00b, HR05, HR07, Hig93, HF95, Hon71, HFS99, ITY97, Jam89, Jam99, Joh87b, KB89, KK96].

Square [KM93, KMB94, KCYL06, KP98, LM92, LM99, LKH93, LKK99, LO95, LC96, LC97a, LC97b, LE93, LMT+92, Lyo91, MST89, MI97, Mat90b, MMW91, MM91a, MM92, MMH93, Mit92, MC89, MM90b, MC91, MC93, MC95, MWH+18, Mur99, NL99, Obe99, OJ04, Öz609, Par99, Ped80, Pen81, Per85a, PS86, PR04, Pro83, QW06, RS98, Rus99, Rut63, Sar60, Saw02, Sch73, SF93a, SF93b, Sch95, Sin96, SDL16, Ste98, Ste08, SL63, Str59, Tak00, Tay81, TVG00, TE06, Tom00, Tuk48, VCV01, VN03, WG92, WMDM92, Yey92, ZXBZH01, ZLC04, Zim00, Zon81]. Square-Root [ALMN05, CL94b, Gar80, LA01, Wad58, Yon70, JL94, LA03, ALB98, GREL96, Has00a, Has00b, HF95, HFS99, KP98, LKK99, Mit92, PR04, TVG00, Tuk48, ZLC04].

Square-Rooting [Gar79, Maj85, RGK72, KK98, Lin95, Par99, WG92].

Square-roots [BH99]. Squared [HP67, HP85, el76, OW68]. Squarers [WS05a]. Squares [DB13, Maj72, Sto41, Rei86, SL63]. Squaring [Kar84, Sar60]. squeeze [Mar77]. sries [De84]. SRT [MC95, BH01, HF95, Kor05, MMH93, MC93, Rus13]. Stability [Gar79, Gus84, Spi85, YH89]. Stable [Gus85, Fet74, VC06b]. stacks [Dem89]. stage [Tol43]. Stages [PZ95]. Staggered [BH09]. Standard [BBM84, Dri89, GB91, Kah80, Lop00, Nor89, Rum01, Sal92, Sha85, SP20, YBR11, AHH*98, Cho14, DAV12a, DA12b, Dr19d, Dr19a, Dr19b, Dr19c, Dü010, Hou81, Krã88, MÇ90, Neh07, Squ91a, Squ91d, Squ91b, Tem85, WR96]. Standardfunktionen [Bra87, Krã87, Miãl90, Rot70b, von80, von84]. Standardization [CHG*11, DLH+04, Kul07, Squ91c]. Standards [Lid01, Lid02, Mul82]. Start [Mar05]. Starting [Eve63, Fik66, MM91b, Nin70, SF96, Wil70, Mou67, SF93a, Ten06]. State [IP87, MRH19, Dem89, Roc82]. State-of-the-Art [MRH19]. static [MI97]. Stations [WN09]. Statistical [Kra89, Pom74, Pom76]. Statistical [Hil73b, Mac89, TGC89, Mat93, Sti88]. statistics [Goe14, Gom89, Mar88]. STATLIB [TGC89]. status [Ste08]. Steed [Bar82b, Bar84a]. step [Spi85]. steps [MC91]. Stepsize [She86a, She86b, Spi85]. Stieltjes [BB82, BJ05, BS78, Cha80, KC11]. Stirling [Sch16, Spî71, XC14]. STO

T [MCT18]. T-count [MCT18]. T. [T.57]. tabellierten [Sti53]. Table
Table-based [Mac94b]. Table-Driven [Tan89a, Tan90d, Tan92].
Table-Lookup [Tan91b]. Tables
[AS64, AS10, Ano74, Arc43, BA44, Ben83, BC62, BL45, DK77, Emd40, Emd45, Emd48, Emd59, FC64, GBS19, Ken14, Ken21, LFB60, LJI3, Luk71a, Luk71b, Nis84, Pai19, Rus13, dLSGDR17, SS97a, SS99a, S205, Str56, Uni49, V+75, War60b, Bar72, CH78, Lut95, Sal76b, SMCH41, Töl69, Töl70].

[KB67, LP17a, Mar05, Pre78, Yun09]. Tangents [Pre55]. tanpi [Kah18].

Taschenbuch [Bar14]. Taschenrechner [Hen77]. Tau
[Z995, Zha95, Rap01, Zha96a, Rap94]. Tau-method
[Z995, Zha95, Zha96a, Rap94]. Taylor
[Lip21, Fat16, Miil99, Plo01, SG02a, Sch76a, Sch77a, WV20, Ye17, Lov53].

TC2 [Boi97]. TC2/WG2.5 [Boi97]. Tchebycheff [Tho65].

Teaching
[BL71].

Technical
[AGA+80, Moo67, PT80, Roe61, Roe62, Bur63, Bur64, Fet67, Fra65a, GB68, Gl66, Har66, HK60, Hea65, Hum64, JI65, Lan60, Loo59, Mec68, SF59, T@66, The65, TM68, TM68, Ver67, WC61, Wil68, WK66, Woo67].

Technique
[Rob55, Vol59a, Vol59b, Dan77, Har77, KMB94]. Techniques
[CH70a, GT79, Mec68, Mul82, SH72, TBDS11, Cro92, Hon71, RN96, dDM06].

Technology [IEE99, Lid01, Lid02, LMS99, ISO10]. technicheskikh [PT80].

Teljakowskii [L683a]. Temme [Kol87]. teoria [Lir66]. Term
[Gau67, BJ15, EG97, HS20, Kra14]. Terms
[Tho65, UE05, AS97, BILP19, Lóp18, MV98, Mor14, QM15, Sko05, Tem81].

Tesler [K690]. Test
[CHG+11, Cod91, Cod93, Kah96, LL09, Loo76, Loz76a, Loz76b, Tan90b, Cod82, Gom89, KI16, Sid06, Tan91a]. test-case [KI16].

Testing
[Sch77b, Tan89b, Tan90a, Wi96, Kul07, LMS73, Squ90, VCV00].

Tests
[Par06, Mac94b]. tetragamma [Che11]. Texas
[IEE85, IEE13, Koo91, Koo91]. Text
[Plo96, BW10]. th
[CL11, CH89a, CH89b, Har14, Kog59, Rei69]. theatres [Sho86]. Their
[Am73, AVV90, Dan82, DM68, Ike75, Ike76, Leb65, Luk6a, Luk6b, Tan91b, Wim81, Amo74, Ban01, Bar82b, Bar84a, Coo65, Din73, DC81, Dut86, FLO04, FKY86, GGA08, Gau11, ISO10, Jam99, Kor02, Leb72, Luk75a, McN73, MK83, Neh07, PB82, RM07, Rit25, Sal51b, S302, San93, SC01, SO89, Sun88, Tem79a, Wac00, Wei98]. Theorem
[Bor02, SG02a, Bor82, Dav35, EC79, L683a, Leh83b, Rus88, CK88].

Theorems
[Szm13, Wig67, CF00, Coh12, GKK00, MO49, MO56].

Theoretic
[Ike76, Tal68, Her82, VB81]. Theoretical
[AKS01, Sun71, Wen09]. Theory
[AH16, BCJV18, Che70, Hob31, Hob55,
Theta [MT64b, Tol66, Tol68, Tol69, Tol70, BG84, FGG82, FNC75, Kuz15, Ye17, Tol66].
Theta-Funktionen [Tol66, Tol68, Tol69, Tol70, BG84, FGG82, FNC75, Kuz15, Ye17, Tol66].

Third [Boe61, Car88, Fet65, Fra65a, GST02d, Tem75a, War60a, ZC70, Bul69a, GST03a, Koo91, Lev91a, Bor02].
third-order [Lev91a].
those [Tem79a].

Thought [Bow53a].
Three [Gau67, Per85a, BK16, DR89, HS20, PS79].
Three-Term [Gau67, HS20].
threshold [Lit89].
Throughput [AFC10, CCC96].
Tight [TBDS11, BMST97, Wil96].
Timan [Leh83b].
time [Bre18, Ebe89, Kre89, LP62, MC93, MC95].
time- [LP62].
Timed [MIT+95, CCCP99, GREL96, LKKH99, MJ97].
tiny [SG99].
together [Rot70a].

Tokyo [Lav80].

Too [Kah04].

tool [VCV01].
toolbox [RKZ+14].

Tools [Osi13].
Topics [Mil75].
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 [FB91, Fil66, HKST99, Lir71, LASC95, Nav83, ST99, VVA09, Zuc64, Boy14, Car69, Eps75, Gs88, Ng68, Ps77, Ps78, Ps79, Ti643, Tö50].

Transcendentals [Har09a, LMT98].
transfer [GK89a].
transform [AGJ86, Ell83, GM84, Wie99].
Transformation [Fet65, Bul69a, Fuk10, Hom98b, SS10, Tem85, RD98].

Transformations [Ng77, Sal89, Sch16, Win81, Jam81, Lev73, KR86, Sko04, Wen89, Wen96].

Transforms [Olv91, Ano93, BB82, CR08, CZ95, CY18, FW85, Gus85, KW21, KS04, Mac72, PB82, Ta83, Ta84, Ta09].

transition [ND19].

Translation [Bai93, Zag16].
transmission [Boe91].
transmission-line [Boe91].
Transmutation [Car82].
Transportable [Cod82].

transzendente [Fil66].

Trapezoidal [Ric73].
Treatise [Wat66, Wat95, MS67, Sen67].

Treatment [Frö55, Che13b, CC17, GLP98, GM07, Hit75].

Triangle [IEE89b].

triangular [Kru99].

Tricks [Bli97].
Tricomi [MMV81, Tem83b, Win74].

Trig [Sal92, Tho93].

Trigamma [Pai19, Spo94, QM15, Ron86].

Trigonometric [AH16, Arc43, Bur64, Fow93, LaF54, Lew69, Rob55, dLSGDR17, Sal51b, SR53, Smi95, Vol59b, AIS+17, API+19, Kan96, LK73, Sch80b, dDIS13].

Trinomials [RHMLLO8].
triple [CS11].

Truncated [WS05a, Fuk14a, Kuz15].

truncation [Bor10, McC74, Wen07].

Tschebyscheff [Hol69].

Tschebyscheff-Approximationen [Hol69].

tsifra [LP83].
tsfro [LP83].

Tübingen [SO11].

Tucson [DM08].
Turin [AGL93].
Turkey [HUY07].
turning [PA86].

Tunis [Ein89].
dtutorial [Glo89].

Twenty [MS94, Sin95].

Twenty-Ninth [Sin95].

Twenty-Seventh [MS94].

Two [AS05, BK78, Ben83, Boe61, Boe62, Car62, CL61, CVV65, FW13, Has66, HMO19, MG89, MPG92a, MPG92b, MS68, Sch84, SG99, Sol69, Sor94, Wad58, WEX14, Wre68, Wre73, CF00, Cro92, Das94, DC81, GST02b].
GST02c, Gla74, GM88, LW96, Max91, PS77, PS78, Pol49, QW06, RKZ\textsuperscript{+14}, Sme99, Yey92, Gus78a. Two-Dimensional [WEX14]. Two-point [MG89, MPG92a, MPG92b, Cro92, GM88]. Two-Sided [Sch84]. Type [BJG\textsuperscript{+99}, CCM11, FK11, Ge51, CG89, CPG12, Fdi97, GST03a, GST20, GL98, Hax79, Has02, Han88, KT00, KRT02, Lev91a, LW82, OE16, Pas92, Tem85, Va\textsuperscript{i}89, ZZ96, ZS08, Zhu10, KSVW07]. Typed [Sal92].

UK [BBdD17]. ultimate [dDEG05]. Ultra [EMR82a, EMR82b, KO94]. Ultra-arithmetic [EMR82a, EMR82b]. Ultra-high [KO94]. Uncertainty [Sle64, Sle78, LP61, LP62, SP61]. uncommon [Mac96]. Undecidability [Wan74]. Undecidable [Ric68]. under/overflow [LM7]. Unified [AFC10, AS10, AM78a, Che13b, CC17, GLP98, GM07, NKO, Wan16, CL94a, CL95, Hav81, Hit94, Hit75, NUS, SA00, Vai1]. Uniform [Boe91, DGS18, MR71, Olv91, Tem75b, Tem78, Tem83c, Tem96b, Bly92, GST03a, GST20, Luk75b, OG82, Par02a, Par02b, Par16, Rei86, Tem85, Won73b]. Unifying [Par06]. Unit [BS98, Min70, Nan11, ZG87, ALB98, BBC\textsuperscript{+91}, Büh87, Büh92, Büh93, BO1, Che71, DR94, KMB94, LM99, LKH93, Lew85, Lew87, MI97, MS82, TRH94]. Unitary [Leh96]. Unitized [Boi75, IEE89a]. Units [WS06, OJ04]. univalence [KT59]. Univalent [SO89, Rus88]. Univariate [Div97, JKKdJ92]. universal [HS89, Rix82]. Universeller [Rix82]. University [AGA\textsuperscript{+80}, Ask75, Bro07, HUY7, Hwa85, IEE89a, IEE81a, IEE81b, IP87, Tra76]. unlimited [HTHR94]. Unrestricted [Bre80a, Bre10, CO86, Fat16, Olv80]. unstable [AGH89]. Unstetige [Töl43]. Unusual [Pas10, Pas11]. unvollständigen [Sch80a]. unvollständigen [Tri50]. Unwinding [Hig18, JHC96]. Upper [ISK87, Jan11a, Jan11b, SS98, BW89, Cha82, Fet79, Fre90, LW96, LU96]. Urbana [Hwa85]. USA [IEE13, MSH\textsuperscript{+16}, BCDH09, ES89, IE05, LMT97, SE11, SKL93, TT18]. Usage [Goe14]. Use [DB13, GBS19, Pag77, WWG82, Epp89, Lin89, Mim88, Mit92, MWH\textsuperscript{+18}, Phi79, Tri66, Wil71]. useful [Vep08]. User[v??90, Fuß81b, Fuß81a]. Users [Pri66]. Using [ACM87, Bee17, Der77, Ekl01, ELMT00, GST03b, GMR04, HFT94, JF16, Kog57, Kog58b, Kog58a, Kog59, Len76, MIT\textsuperscript{+95}, MKY92, OTY91, POMB05, Pz95, Pri75, RK97, RS81, Sal76a, Sal92, Sar59, SG02a, ST7, SF93b, SLZ05, SDP11, Tra60, VVA09, WS05a, WS05b, WEX14, WG94b, WOG95, dML11, von84, AAHT10, BAI8, Ben98, BMZ06, BZ92, Che81, CKL89, CA00, CP99, Dem89, EMS6, FLO04, GST02a, Gra02, Gnu85, HBS00, Hon71, HFS99, KMB94, KK98, LKK99, Liu95, MMM93, MC87, PN01, SH72, Saw2, Spe72, WG92, Yun09]. UX [LMOT01].

\(v\) [LP83, Sch73, Sle78]. \(V\) [Kon76, Rac82]. Văriyar [Hay99]. VA [SKL93]. Vacuum [FR76]. Vacuum-Polarization [FR76]. Vail [BC01]. valid
Validated [BBC+14, CCV11, CBBV10]. Validating [Ull90]. Validation [AA93, CK9b, Squ91b]. Value [Cas83, Fri67, AO08, Cro92, JS89, Mat90a, Spi85]. Valued [Mat04, PS11, Fab02]. Values [BY07, Cle69, DJ67, Fri72, GB68, GRAS16, HP62, HKW60, MM91b, SF6, TKK17, BS11, De 91, EC13, Fet81a, FW80, Fra81, Fuk09b, Gau59, GST15a, Jäb20, KWy07a, KWy07b, Kat74, Mou67, Pré10, RX07, Tem96b].

Vancouver [Gau94]. Variable [CET62, Fra65b, HA85, HA86, Let01, LE95, Ric68, Sal51a, Ske66a, Ske86b, SLZ5, WOn73a, XL94, Gon52a, Gon52b, Jür66, MY91, Ric88]. Variable-Precision [LE95]. Variable-Stepsize [Ske86a, Ske86b]. Variables [Boe62, BK16, KPPS08, KS88, MH72, SHo66, Sue99]. variates [Mar77], variation [CET62, Fra65b, HA85, HA86, Let01, LE95, Ric68, Sal51a, Ske86a, Ske86b, SLZ5, WOn73a, XL94, Gon52a, Gon52b, Jür66, MY91, Ric88].


W [Coh12, Szm13]. W. [Ker83]. Walter [Zah94]. Washington [MMH89]. Waterloo [Bro07]. Wave [Abr64a, Boe69, CP70, Fla57, Frö55, Gau66b, Gun67, Ike75, Ike76, KL90, Low64, Osi13, She67, Sle64, Sle65, Sle78, Str56, SG72, V75, Vos73, BFS74, BFS84, Gau69b, Hum85, Kö69a, Kö69b, Kö69c, Kre89, LP61, LP62, MC04, OWS+14, RX07, SP61, SS65, SMCH41].

Wavefunction [Bar76a, Bar76b, Bar84c]. Wavefunctions [Köl72d, She74, Bar82c]. waves [Ehr89, MKS83]. ways [Boy15]. weak [Wil96]. Weakly [Zie89]. Weber [GST11b, Ov67, SGA81]. Weierstrass [T.57, Eck77, Eck80, K104, Lin78, Lin79b, PC93, Son57, Son64, Tod90, Tö66, Tö67a, Tö68, ZZ96]. Weierstrass-type [Z96]. Weierstrassss [Tö66, Tö67a, Tö68]. Weights [HT13, JM18]. well [Vai89]. well-behaved
REFERENCES

[Cra90] Cray:1990:PCU


Andrews:1999:SF


Albrecht:1993:VNT


Alonso:1988:SCN


Arenstorf:1993:SMZ


Aberth:1988:PNA


Abel:2016:HOA

Ulrich Abel. High order algorithms for calculating roots. *The Mathematical Gazette*, 100(549):420–428, November 2016. CODEN MAGAAS. ISSN 0025-5572 (print), 2056-6328 (elec-
REFERENCES


Ramesh C. Agarwal, James W. Cooley, Fred G. Gustavson, James B. Shearer, Gordon Slishman, and Bryant Tuckerman. Clarification: “New scalar and vector elementary functions for

ACM:1987:UAA


ACM:1989:PAI


Acton:1974:RRF

[Act74] Forman S. Acton. Recurrence relations for the Fresnel integral $\int_0^\infty \exp(-ct) \, dt/\sqrt{t(1+t^2)}$ and similar integrals. Communications of the ACM, 17(8):480–481, August 1974. CODEN CACMA2. ISSN 0001-0782 (print), 1557-7317 (electronic).

Adamchik:1998:PFN


Adlaj:2012:EFP


Agou:2003:SPR

REFERENCES

com/content/getfile/4630/45/2/abstract.htm; http://ipsapp007.kluweronline.com/content/getfile/4630/45/2/fulltext.pdf.

[ADW77a] D. E. Amos, S. L. Daniel, and M. K. Weston. Algorithm 511: CDC 6600 subroutines IBESS and JBESS for Bessel functions $I_\nu(x)$ and $J_\nu(x)$, $x \geq 0, \nu \geq 0$ [S18]. *ACM Transactions on Mathematical Software*, 3(1):93–95, March 1977. CODEN ACM-SCU. ISSN 0098-3500 (print), 1557-7295 (electronic). See erratum [Amo78].

[ADW77b] D. E. Amos, S. L. Daniel, and M. K. Weston. CDC 6600 subroutines IBESS and JBESS for Bessel functions $I_\nu(x)$ and $J_\nu(x)$, $x \geq 0, \nu \geq 0$. *ACM Transactions on Mathematical Software*, 3 (1):76–92, March 1977. CODEN ACMSCU. ISSN 0098-3500 (print), 1557-7295 (electronic).


[AG08] L. U. Ancarani and G. Gasaneo. Derivatives of any order of the confluent hypergeometric function \( _1F_1(a, b, z) \) with respect to the parameter \( a \) or \( b \). Journal of Mathematical Physics, 49(6): 063508, June 2008. CODEN JMAPAQ. ISSN 0022-2488 (print), 1089-7658 (electronic), 1527-2427. URL http://jmp.aip.org/resource/1/jmapaq/v49/i6/p063508_s1.


REFERENCES


REFERENCES


Andrews:1981:EFM


Adams:1993:A


Anand:2009:OCS


Akrivis:1985:ENC


Askey:2001:SFG


Adell:2020:RAE

REFERENCES


Albrecht:1962:FKM
J. Albrecht. Fehlerschranken und Konvergenzbeschleunigung bei einer monotonen oder alternierenden Iterationsfolge. (German) [Error bounds and convergence acceleration with a monotone or alternating iteration sequence]. Numerische Mathematik, 4: 196–208, December 1962. CODEN NUMMA7. ISSN 0029-599X (print), 0945-3245 (electronic).

Antelo:1998:CVH

Alexander:1977:SRR

Alhargan:2000:ASC

Alhargan:2000:A

Ali:2011:NGJ
REFERENCES


REFERENCES

Ardill:1978:SBF


Ardill:1979:ABF


Ardill:1984:ABF


Ardill:1984:SBF


Ardill:1984:BFC


Avellaneda:1989:OBE

REFERENCES

Al-Mohy:2012:MAB


Abergel:2020:AFA


Amos:1973:BIC


Amos:1974:CMB


Amos:1978:ECS

[Amo78] Donald E. Amos. Erratum: “Algorithm 511: CDC 6600 subroutines IBESS and JBESS for Bessel functions $I_\nu(x)$ and $J_\nu(x)$, $x \geq 0, \nu \geq 0$ [S18]”. *ACM Transactions on Mathematical Software*, 4(4):411, December 1978. CODEN ACMSCU. ISSN 0098-3500 (print), 1557-7295 (electronic). See [ADW77a].

Amos:1983:APF

REFERENCES


[AN68] A. Ascarì and P. G. Novario. L’algoritmo QD di Rutishauser e la generazione di funzioni speciali nel calcolo automatico. (Italian)
REFERENCES


Andrews:1982:MMS


Andrews:1998:SFM


Andrews:1998:SFM


Anderson:2000:RAF


Anonymous:1946:MZC


Anonymous:1967:CAP

Anonymous:1974:TCH


Anonymous:1984:EJCb


Anonymous:1991:PIS


Anonymous:1993:ITS


Anonymous:1994:C


Anonymous:1998:AMS


Anonymous:2003:CRN

Anon

Anon

Anon

Anon

Antsiewicz

Agarwal
REFERENCES


Abad:1995:CR


Abad:1997:NEC


Abad:2003:AEQ


Abad:2005:TNA


Anand:2010:UTE


Anderson:2006:AMF

REFERENCES

performance-driven design. In Anonymous [Ano06], page ?? ISBN ?? LCCN ???.


REFERENCES


[Bar72] L. S. Bark. *Mnogoznachnye tablitsy elementarnykh funktsii (sنز, cosx, ez i е−z)*. (Russian) [Multipurpose tables of the el-
REFERENCES

Barnett:1976:MRC


Barnett:1976:RMR


Barnett:1981:ARI


Barnett:1982:CFE

Barnett:1982:CCB


Barnett:1982:HPE


Barnett:1984:CCB


Barnett:1984:KCF


Barnett:1984:RMR


Baricz:2010:GBF


REFERENCES


[Bender:1994:DAS] Carl M. Bender and Stefan Boettcher. Determination of $f(\infty)$ from the asymptotic series for $f(x)$ about $x = 0$. Journal
REFERENCES

Bailey:2012:AIS


Bailey:2015:CCI


Borw:1989:RME


Bartoloni:1991:MFU


Borw:1998:CSR

REFERENCES


REFERENCES


REFERENCES


[Brunie:2015:CGM] Nicolas Brunie, Florent de Dinechin, Olga Kupriianova, and Christoph Lauter. Code generators for mathematical func-
REFERENCES


REFERENCES


[Beattie:1958:TFZ] Curtis L. Beattie. Table of first 700 zeros of Bessel functions — $J_l(x)$ and $J'_l(x)$. *The Bell System Technical Jour-
REFERENCES


REFERENCES


April 1968. CODEN CACMA2. ISSN 0001-0782 (print), 1557-7317 (electronic). See [HJ67a, HJ67b].


REFERENCES


REFERENCES

March 1999. CODEN IETTAW. ISSN 0018-9448 (print), 1557-9654 (electronic).


REFERENCES


[BK16] Vladimir V. Bytev and Bernd A. Kniehl. HYPERDIRE — HY-
PERgeometric functions DIfferential REduction: Mathematica-
based packages for the differential reduction of generalized hy-
pergeometric functions: Lauricella function $F_{c}$ of three variables. 
*Computer Physics Communications*, 206(??):78–83, September 
2016. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 
article/pii/S0010465516301059.

[BKKC09] Shannon R. Bowling, Mohammad T. Khasawneh, Sittichai 
Kaewkuekool, and Byung Rae Cho. A logistic approximation 
to the cumulative normal distribution. *Journal of Industrial 

[BKM94] Jean-Claude Bajard, Sylvanus Kla, and Jean-Michel Muller. 
BKM: a new hardware algorithm for complex elementary func-
CODEN ITCOB4. ISSN 0018-9340 (print), 1557-9956 (elec-
tronic).

[BL45] Lyman J. Briggs and Arnold N. Lowan. *Tables of Associated 
Legendre Functions*. Columbia University Press, New York, NY, 

[BL71] K. A. Bohan and K. V. Laščenov. The analytic definition of cer-
tain elementary functions. (Russian) questions of modern mathemat-
cs and methods of teaching it at institutions of higher learn-

putation and control II: proceedings of the second Bozeman con-
ference, Bozeman, Montana, August 1–7, 1990*, volume 11 of 
*Progress in systems and control theory*. Birkhäuser, Cambridge, 
MA, USA; Berlin, Germany; Basel, Switzerland, 1991. ISBN 
REFERENCES


(electronic). Discusses use of IEEE 754 single-precision floating-point bit patterns as integers for implementations of fast, but low-accuracy, functions useful in computer graphics.


REFERENCES


**Bertot:2002:PGS**


**Bertot:2006:PGS**


**Boros:1975:NEO**


**Barrera:1993:IBS**


**Boersma:1961:TFR**


REFERENCES


REFERENCES

Bond:1967:AAF


Berg:2001:CMF


Branrers:1981:RAZ


Blagoveshchenskii:1976:MCM


Besslich:1973:MDS


Brezinski:1991:EMT


REFERENCES


REFERENCES 111


REFERENCES


[Bre18] James Bremer. An algorithm for the numerical evaluation of the associated Legendre functions that runs in time independent of

**Bronstein:1989:SRE**


**Bronstein:1989:AIE**


**Bronstein:1990:IEF**


**Brown:2007:PIS**


**Bryc:2002:UAR**


**Bowman:1978:ASS**

REFERENCES


A. I. Bogolubsky and S. L. Skorokhodov. Fast evaluation of the hypergeometric function \( _pF_q(\alpha; \beta; z) \) at the singular point \( z = 1 \) by means of the Hurwitz zeta function \( \zeta(\alpha, s) \). Programming and Computer Software; translation of Programmirovaniye (Moscow, USSR) Plenum, 32(??):145–153, ????. 2006. CODEN PCSODA. ISSN 0361-7688 (print), 1608-3261 (electronic).


REFERENCES


REFERENCES

Burgoyne:1964:GTF


Burrell:1974:AAE


Bur:1982:CCR


Busc:1974:FSR


Busc:1976:IHF


Bann:1985:VIS

REFERENCES


[Cam81] J. B. Campbell. Bessel functions $I_{\nu}(z)$ and $K_{\nu}(z)$ of real order and complex argument. *Computer Physics Communications*.
REFERENCES


Campbell:1984:BFZ


Campbell:1984:BFRa


Campbell:1986:NSR


Carlitz:1963:IEF


Carlson:1969:CBE


Carlitz:1970:SRF

REFERENCES


[Car82] Robert Wayne Carroll. *Transmutation, scattering theory, and special functions*, volume 87; 69 of *North-Holland mathematics...*
REFERENCES


REFERENCES

Carlson:1999:TSI


Carlson:2005:JEF


Cash:1983:BRKa


Cathey:1985:ISR

James Cathey. 68000 integer square root routine in 16BST. *Dr. Dobb’s Journal of Software Tools*, 10(5):118–??, May 1985. CODEN DDJOEB. ISSN 1044-789X.

Cathey:1986:LEI


Cawley:2000:FCA


M. Chiani and D. Dardari. Improved exponential bounds and approximation for the $Q$-function with application to average error probability computation. In *Global Telecommunications Conference, 2002. GLOBECOM ’02. IEEE*. IEEE Computer Society Press, 1109 Spring Street, Suite 300, Silver Spring, MD 20910,
REFERENCES


Cantor:1962:LEF


Carlson:2000:RTE


Carlson:1955:RAF


Carlson:1985:AEF


Conover:1985:AHS


Cao:1989:ABS


Carlson:1994:AAS

REFERENCES


Cheng:2005:SEEa


Cheng:2005:SEEb


Cody:1967:CAN


Cochran:1970:NTF


Cody:1970:CAC


Chin:1978:DAD

REFERENCES


<table>
<thead>
<tr>
<th>Reference</th>
<th>Details</th>
</tr>
</thead>
</table>
REFERENCES


REFERENCES


Order Number PR00116. IEEE Order Plan Catalog Number 99CB36336.

Cornea:2003:DSR


Chlebus:2011:RSI


Choudhury:2014:SAA


Christiansen:1962:APC


Christiansen:1965:APE


Cody:1971:CAR

REFERENCES


REFERENCES


REFERENCES


REFERENCES

Ciminiera:1990:HRS


Chen:2013:LIA


Chevillard:2013:MPE


Cody:1977:CRF


Cody:1969:CRA


Clenshaw:1963:ASF

REFERENCES

Carlson:1981:AAI


Clenshaw:1986:UAR


Cobb:1969:CAS


Cochran:1965:ZHF


Cody:1964:DPS


Cody:1965:CAC

REFERENCES


REFERENCES


[CP98] Petr Čásky and Martin Polásek. Incomplete gamma $F_m(x)$ functions for real negative and complex arguments. *Jour-
Corsonello:1999:HPS


Chen:2015:IAEa


Campos-Pinto:2019:APP


Cote:2012:CTL


Cuyt:2008:HCF


Chaudhry:2004:EHC

REFERENCES


REFERENCES

Cohen:2000:CAA


Cruz:1982:ZHF


Cruz:1983:MPR


Choi:2011:AFT


Cardoso:2019:CMG


Cody:1973:CAP

Ceretani:2018:AME


Cody:1967:CRC


Cody:1967:RCA


Cody:1968:RCAa


Cody:1969:CAE


Cover:1988:DII

REFERENCES

Chen:2016:SIAa


Chaudhry:1996:ACF


Corbato:1959:GSB


Cundi:1962:AEA


Cundi:1962:AEFa


Cundi:1962:AEFb

REFERENCES


[CVW06] Annie Cuyt, Brigitte Verdonk, and Haakon Waadeland. Efficient and reliable multiprecision implementation of elementary and


[CZ10] Elena Celledoni and Antonella Zanna. Algorithm 903: FRB — Fortran routines for the exact computation of free rigid body
REFERENCES


REFERENCES


DeSchrijver:2012:DPRb


Develi:2013:HAA


Drachman:1981:TTH


Dattoli:1992:GFM


Davies:1976:IPS


Dyer:2007:AEF

REFERENCES


Bruce Gene DeLugish. A class of algorithms for automatic evaluation of certain elementary functions in a binary computer.

Delic:1979:CSS


Delahaye:1981:ACS


Delic:1984:CSS


Demirbas:1989:MSE


Derenzo:1977:AHC


Deuflhard:1976:ASC


REFERENCES

Dahlquist:1965:CAP


Dunster:2018:UAE


DiDonato:1959:NFC


Defour:2004:PSM


Duprat:1989:SRA

REFERENCES


REFERENCES


[DJ67] A. R. DiDonato and M. P. Jarnagin. The efficient calculation of the incomplete beta-function ratio for half-integer values of the
REFERENCES


REFERENCES


Armido R. DiDonato and Alfred H. Morris, Jr. Algorithm 708: Significant digit computation of the incomplete beta func-
REFERENCES


REFERENCES


REFERENCES


REFERENCES

Deano:2009:MAS


Dattoli:1998:GBF


Dubrulle:1983:CNM


Dumbgen:2010:BSG


Dunham:1987:PMAa


Dunham:1987:PMAb


Dunham:1988:PMA

REFERENCES


REFERENCES

November 1989. CODEN JMVAAI. ISSN 0047-259x (print), 1095-7243 (electronic).

Epstein:1979:STE


Erricolo:2013:AFS


Eckhardt:1976:RA


Eckhardt:1977:RA


Eckhardt:1980:AWE


Ewart:2020:PES


[eL79] Mohamed el Lozy. Remark on “Algorithm 395: Student’s t-Distribution” and remark on “Algorithm 396: Student’s Quantiles [S14]”. *ACM Transactions on Mathematical Software*, 5
REFERENCES

(2):238–239, June 1979. CODEN ACMSCU. ISSN 0098-3500 (print), 1557-7295 (electronic). See [Hil70a, Hil70b, Hil81a, HP85].


Milos D. Ercegovac, Tomáš Lang, Jean-Michel Muller, and Arnaud Tisserand. Reciprocation, square root, inverse square root, and some elementary functions using small multipliers. *IEEE
REFERENCES


Evans:1986:RIU


Everitt:1994:GBF


Ercegovac:2003:DRA


Ercegovac:2004:CSRa


Ercegovac:2004:CSRb

REFERENCES


REFERENCES

176

Epperson:1989:UIM


Epstein:1975:AET


Ercegovac:1972:RES


Ercegovac:1973:REC


Ercegovac:1975:GMEa


Ercegovac:1977:GHO


Ercegovac:1978:LSR

REFERENCES


Ercegovac:1989:PSC


Elbert:1999:SFZ


Escott:1937:QDN


Eve:1963:SAI


Erdelyi:1963:AEC

REFERENCES


(Far81) P. Michael Farmwald. High bandwidth evaluation of elementary functions. In IEEE [IEE81a], pages 139–142. LCCN QA76.9.C62
REFERENCES


REFERENCES


[Fet67] Henry E. Fettis. More on the calculation of the integral \( I_n(b) = \frac{2}{n} \int_0^\infty \left( \frac{\sin x}{x} \right)^n \cos bx \, dx \) (in Technical Notes and Short Papers). *Mathematics of Computation*, 21(100):727–730, October 1967.
REFERENCES

CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).


REFERENCES


REFERENCES


REFERENCES


Feng:1988:AIN


Fu:2011:ETB


Fedotov:2019:CWM


Froman:1986:PIF


Fair:1967:RAI


Flammer:1957:SWF

REFERENCES


Fernandez:1982:HCI


Ferguson:1975:PFI


Frappier:1993:QFI


Fabijonas:1999:RAE


Fogel:1951:FTE


Forrey:1997:CHF


Fowkes:1993:HEA

REFERENCES


Fullerton:1976:AEM


Fowler:1998:SRA


Franke:1965:NEE


Fraser:1965:SMC


Frankowski:1978:RME

Krzysztof S. Frankowski. A realistic model for error estimates in the evaluation of elementary functions. In IEEE [IEE78], pages 70–74. ISSN 1063-6889. LCCN QA76.6 .S919a. IEEE catalog no. 78 CH1412-6C.

Fransen:1981:ACH

REFERENCES


Fredette:1981:RES


FreitasDeAbreu:2009:JCU


Friedland:1967:AAV


Frisch:1972:RAR


Froberg:1955:NTC


Froberg:1961:RCA

REFERENCES

genre=article&issn=0006-3835&volume=1&issue=4&spage=256. See erratum [Fro63a].


[Froberg:1963:ERC]


[Feinsilver:1992:BFR]


[Feinsilver:1993:ASO]


[Fukushima:1983:OAA]


[Fukushima:2009:FCC]

[Fuk09a] Toshio Fukushima. Fast computation of complete elliptic integrals and Jacobian elliptic functions. *Celestial Mechanics and
REFERENCES


Fukushima:2013:RCD


Fukushima:2014:ACG


Fukushima:2014:CGI


Fukushima:2015:PFCc


Fukushima:2015:PFCb

Fukushima:2015:PF


Fukushima:2015:PF


Fullerton:1972:MIG


Fullerton:1977:PSF


Fullerton:1980:BEM


Fullerton:1981:FUMb


Fullerton:1981:FUMa

REFERENCES


[GA08] Bruno Gabutti and Giampietro Allasia. Evaluation of $q$-gamma function and $q$-analogues by iterative algorithms. Numerical Al-
REFERENCES

194


REFERENCES

[195]


Gasper:1981:SFB


Gautschi:1959:EIL

W. Gautschi. Exponential integral $\int_1^{\infty} e^{-xt}t^{-n} \, dt$ for large values of $n$. *Journal of Research of the National Bureau of Standards (1934)*, 62(3):123–125, March 1959. ISSN 0091-0635.

Gautschi:1961:RCS


Gautschi:1964:AAB


Gautschi:1964:AGF


Gautschi:1964:AIB

REFERENCES


REFERENCES

DEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
URL http://link.aip.org/link/?SIR/9/24/1.

See certification [Köl72a].


REFERENCES


Green:2019:DFE


Gautschi:1964:EIR


Ge:1989:OCL


Gebali:2004:EAF


Gellman:1951:CCH


Gillman:1988:ARG

REFERENCES


REFERENCES


REFERENCES


[Gla79] M. L. Glasser. A note on the integral \( \int_0^\infty t^{2\alpha-1}(1 + t^2)^{1-\alpha-\beta} J_\nu(x \sqrt{1 + t^2}) dt \). *Mathematics of Computation*, 33(146):792–793, April 1979. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).


REFERENCES


REFERENCES

Goncarov:1952:EFC


Goncarov:1952:EFR


Gonzaga:1989:ASL


Gordon:1982:RAN


Gargantini:1964:RCA


Grodd:1984:REN


REFERENCES


REFERENCES

Suite 300, Silver Spring, MD 20910, USA, 1996. CODEN ????
ISSN ????


REFERENCES


REFERENCES


Amparo Gil, Javier Segura, and Nico M. Temme. Algorithm 831: Modified Bessel functions of imaginary order and positive
REFERENCES


**Gil:2004:CSM**


**Gil:2006:ARP**


**Gil:2006:CRP**


**Gil:2007:NMS**


**Gil:2007:NSS**

REFERENCES


REFERENCES


Goldstein:1959:RTC


Gunn:1965:AZV


Gunn:1965:ASa


Gunn:1965:ASb


Gunn:1967:ACW


Gustafson:1966:CAM


Gustafson:1978:ATC

REFERENCES


REFERENCES


Harris:1977:CA


Hare:1997:CPB


Harris:1997:NAC


Harris:1998:MAL


Harris:2000:SBE

REFERENCES


REFERENCES

Hastings:1955:ADC


Hastings:1966:RCB


Hashemian:1990:SRA


Hassibi:2000:ESR


Hassibi:2000:FSR


Hassenpflug:2002:EAS

Hautot:1988:CAA


Haavie:1979:GNT


Haavie:1981:RUT


Hawkes:1982:ANT


Haynes:1956:EIE


Hayashi:1999:SRR

Takao Hayashi. A set of rules for the root-extraction prescribed by the sixteenth-century Indian mathematicians, Nilakantha So-


REFERENCES


REFERENCES


REFERENCES


[Hit75] Sin Hitotumatu. Some remarks on the unified treatment of elementary functions by microprogramming. In Miller [Mil75],
REFERENCES


REFERENCES

Harumi:1960:VTN

[KHW60] Kasaburo Harumi, Shigetoshi Katsura, and John W. Wrench, Jr. Values of \( \frac{2}{\pi} \int_{0}^{\infty} \left( \frac{\sin(t)}{t} \right)^n dt \) (in Technical Notes and Short Papers). *Mathematics of Computation*, 14(72):379, October 1960. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).

Huang:2013:NNE


Horyachyy:2019:SEF


Hobson:1931:TSE


Hobson:1955:TSE


Hochstadt:1961:SFM

Hochstrasser:1964:OP  

Holzwarth:1969:VBB  

Holmgren:1970:RAN  

Holton:1990:IJE  
P. G. W. Holton. An Introduction to the Jacobian Elliptic Functions with some Applications. University of Newcastle upon Tyne, Newcastle upon Tyne, UK, 1990. 117 pp. LCCN ????

Homeier:1994:NCA  

Homeier:1996:CAI  
REFERENCES


D. W. Honey. Correspondence: Calculation of a double-length square root from a double length number using single precision


REFERENCES


REFERENCES


REFERENCES

Holzapfel:2007:AGA


Hofsommer:1963:NCE


Hwang:1985:PSC


Ibbetson:1963:AG


IBM:2005:MAS


IEEE:1978:PSC

IEEE:1981:PIS


IEEE:1981:PSC

IEEE:1985:ERC


IEEE:1989:ECC


IEEE:1989:ASF

REFERENCES


REFERENCES


REFERENCES


Jablonski:2020:IAC


James:1981:LTS


Jamieson:1989:RCI


Jamieson:1999:NRF


Jameson:2016:IGF


Jansen:1977:RLF

REFERENCES


Jerey:1996:UBL


James:1965:GSR


Jacobsen:1986:FRC


Jiang:1992:CCM


Johnson:1992:UDD

Jeannerod:2011:CFP


Jain:1994:SRR


Jentschura:2012:NCB


Johansson:2018:FRA


Johnson:1979:RAF


Jukic:1998:DTN


Fredrik Johansson. Computing the Lambert W function in arbitrary-precision complex interval arithmetic. *Numerical Algo-
Jones:1970:GHF


Jones:2006:PCF


Jeffries:1989:GFA


Jaime:2011:HSA


Jones:1985:CIG


Jurimae:1966:KFT

E. Jürimäe. *Kompleksmuutuja funktsioonide teooria. I: Elementaarsed funktsioonid.* (Estonian) [Theory of functions of a com-

 Jacobsen:1988:CAL


 Kuki:1971:FEP


 Kahan:1980:SPI


 Kahan:1982:BCC


 Kahan:1987:BCC


 Kahan:1996:TCR


 Kahan:1999:SRD

REFERENCES


REFERENCES


REFERENCES

737: INTLIB: a portable Fortran-77 elementary function library.
December 1994. CODEN ACMSCU. ISSN 0098-3500 (print),
1557-7295 (electronic).

[Keener:1982:CLB]
L. L. Keener. Characterizing local best SAIN approximations.
CODEN JAXTAZ. ISSN 0021-9045 (print), 1096-0430 (electronic).

[Kennelly:1914:TCH]

[Kennelly:1921:TCH]


[Kyurkchiev:2004:FCN]

[Kutsuna:2016:ARM]
REFERENCES

Transfer (STTT), 18(1):109–120, February 2016. CODEN ?????
ISSN 1433-2779 (print), 1433-2787 (electronic). URL http://

Kim:1972:AEH

[Kim72] Shoon K. Kim. The asymptotic expansion of a hypergeometric
function \( _2F_2(1, \alpha; \rho_1, \rho_2; z) \). Mathematics of Computation, 26
(120):963, October 1972. CODEN MCMPAF. ISSN 0025-5718
(print), 1088-6842 (electronic).

King:1921:SNF

[Kin21] Louis Vessot King. On some new formulae for the numerical
calculation of the mutual induction of coaxial circles. Proceedings
of the Royal Society of London. Series A, Containing Papers of a
Mathematical and Physical Character, 100(702):60–66, October
4, 1921. ISSN 0950-1207 (print), 2053-9150 (electronic). URL
http://www.jstor.org/stable/93861. This is the first known
publication of the AGM method, discovered by the author in
1913, for computing Jacobian elliptic functions. See also [Kin24,
Kin07].

King:1924:DNC

[Kin24] Louis Vessot King. On the Direct Numerical Calculation of Ellip-
tic Functions and Integrals. Cambridge University Press, Cam-
bridge, UK, 1924. viii + 42 pp. LCCN QA343.

King:1965:LED

[Kin65] R. King. Letter to the Editor: On the double-precision square
CODEN CACMA2. ISSN 0001-0782 (print), 1557-7317 (elec-
tronic).

King:2007:DNC

[Kin07] Louis Vessot King. On the Direct Numerical Calculation of El-
4226-0. 56 pp.

Kirby:1988:ELA

[Kir88] James C. Kirby. An efficient logarithm algorithm for cal-
1988. CODEN ????? ISSN 0746-8342 (print), 1931-1346
(electronic). URL http://www.tandfonline.com/doi/abs/
REFERENCES


Karagiannidis:2007:IA


Kornerup:1991:PIS


Karp:1993:HPD


Knowles:1995:PSC


Karp:1997:HPD


Kornerup:2007:PIS

REFERENCES


REFERENCES

Kodama:2007:RA

Kodama:2008:ASP

Kodama:2011:AMC

Koelink:2016:AST

Kogbetliantz:1957:CEN

Kogbetliantz:1958:CANb

Kogbetliantz:1958:CANa
Kogbetliantz:1959:CSC


Kogbetliantz:1960:GEF


Kogbetliantz:1966:GEF


Kogan:1989:GBF


Kolbig:1969:CASa


Kolbig:1969:CASb


Kolbig:1969:RAS


K. S. Kolbig. Book review: *Calculation of Special Functions, the Gamma Function, the Exponential Integrals and Error-Like


REFERENCES


[**Kiou175**] J. B. Kioustelidis and J. K. Petrou. A piecewise linear approximation of \( \log_2 x \) with equal maximum errors in all intervals.

Kuhlmann:1998:FLP


Kzaz:2003:CAG


Kiani:2008:AND


S:1986:CEF


Kravchuk:1985:ACE


Kravchuk:1985:EAE

[Kra85b] V. R. Kravchuk. Effective approximation of elementary functions by rational polynomials of order \((n, 1)\). (Russian). Ukrain-
REFERENCES


Kramer:1987:ISR


Kramer:1988:ISF


Kraaikamp:1989:SEP


Kramer:1993:MPC


Krattenthaler:1995:HHM


Kramer:1998:PWC

REFERENCES

Krasikov:2014:ABA

Kreider:1989:WSA

Kilbas:2002:ARH

Krukier:1999:CAT

Kravanja:1998:ZMS
REFERENCES

Kowalski:1988:ASP


Kilbas:2004:TTA


Kuijlaars:2007:TIH


Kreyszig:1959:RUE


Kilbas:2000:CFI


Kuipers:1952:PSE

Kuki:1966:CAE


Kuki:1971:MFS


Kuki:1972:AAC


Kuki:1972:CGF


Kuliamin:2007:STI


Kunz:1981:QZ


Kuznetsov:2015:CTT

Koelink:2003:OPS


Kang:2021:NEE


Kalmykov:2007:AOEa


Kalmykov:2007:AOEb


Kyriakopoulos:1974:GFH


REFERENCES


Lanczos:1964:PAG


Langebartel:1980:FER


Larssen:1966:CAC


Lardner:1969:RBB


Lassey:1982:CCI


Lynch:1995:KTF

Laurenzi:1973:D


Lau:1995:NLC


Lau:2004:NLJ


Lavington:1980:IPP


Lavoie:1986:SEG


Lazard:1985:PFD


Levrie:1990:CAN


REFERENCES


Li:1993:CAF


Louie:1993:DRS


Louie:1995:VPS


Lebedev:1965:SFT


Lebedev:1972:SFT


Lembarki:1988:CAL


Lentz:1976:GBF


Lentz:1990:CFC


Lether:1996:RAF


Lether:2001:VPA


Levin:1973:DNL


Levrie:1991:CFC

[Lev91a] Paul Levrie. $G$-continued fractions and convergence acceleration in the solution of third-order linear recurrence relations of


REFERENCES


REFERENCES


REFERENCES


Li:2002:SWF


Ling:1972:EM


Lauter:2009:ERB


Li:2014:ICH


Lang:1992:HRS


Laforgia:1993:AMR


REFERENCES


[Lon59] I. M. Longman. A short table of \( \int_0^\infty J_0(t)t^{-n}dt \) and \( \int_0^\infty J_1(t)t^{-n}dt \) (in Technical Notes and Short Papers). Mathematical Tables and Other Aids to Computation, 13(68):306–311, October 1959. CODEN MTTCAS. ISSN 0891-6837 (print), 2326-4853 (electronic).


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Langhammer:2017:FPT  

Langhammer:2017:SPL  

Latham:1974:CPC  

Laforgia:1988:MRI  

Lucas:1995:EI  

Lu:2014:GA  
Dawei Lu, Lixin Song, and Congxu Ma. A generated approximation of the gamma function related to Windschitl’s
REFERENCES


**Lu:2015:SNA**


**Lu:2016:QCF**


**Lu:2015:NSC**


**Lefevre:2008:WCE**


**Lucas:1971:AAC**

REFERENCES


[Luk56b] Yudell L. Luke. On rational function approximations to the exponential function with application to the practical solution


REFERENCES


REFERENCES


Lee-Whiting:1963:FCI


Ling:1982:EIH


Lo:1989:RBP


Lether:1995:MAZ


Lang:1996:BPU


Lu:2014:NAE

REFERENCES


Macleod:1996:AMS


Macleod:1997:AEE


Maehly:1960:ACD


Magnus:1994:ASA


Mahler:1930:NUG

REFERENCES


REFERENCES


[Mar00] Peter Markstein. *IA-64 and elementary functions: speed and precision*. Hewlett-Packard professional books. Prentice-Hall,


Matos:1990:CAM


Matula:1990:HPD


Matos:1992:CAP


Mathai:1993:HGS


Mathar:2004:NRI


Maximon:1991:EIP

REFERENCES


Moore:2004:PSW


McCabe:1974:CFE


McCarthy:1977:OAE


McCullagh:1981:RCS


McCabe:1983:ASC


McCurley:1984:EE


REFERENCES


REFERENCES

DEN CACMA2. ISSN 0001-0782 (print), 1557-7317 (electronic).
See also [Sko78].


REFERENCES

Martin:1989:TPQ


Morita:1972:CAG


Mathai:2008:SFA


Hwu:2012:GCG


Munshi:2016:OCS


Matsubara:1997:LPZ


REFERENCES

Milgram:1985:GIE


Miler:1989:EEM


Mimachi:1988:PRI


Minton:1970:GHF


Mitchell:1992:VFA


Matsubara:1995:NBS


Miyajima:2019:VCM

Shinya Miyajima. Verified computation for the matrix Lambert W function. Applied Mathematics and Compu-
REFERENCES


Moler:1983:RSR


Magnus:1990:CFL


Montuschi:1990:SSR


McQuillan:1991:VAM


Montuschi:1991:OAE


McQuillan:1992:VMH

REFERENCES


REFERENCES


Robert Morris. Remark on “Algorithm 490: The dilogarithm function of a real argument [S22]”. *ACM Transactions on Math-
REFERENCES


Morita:1978:CCE


Moran:1980:CND


Mortici:2011:IAF

REFERENCES


[MPG92a] Pablo Martin, Ricardo Pérez, and Antonio L. Guerrero. Two-point quasi-fractional approximations to the Airy function
REFERENCES


R. G. Medhurst and J. H. Roberts. Evaluation of the integral $I_n(b) = \frac{2}{\pi} \int_0^\infty \left( \frac{\sin x}{x} \right)^n \cos(bx) dx$. *Mathematics of Computation*, 19(89):113–117, April 1965. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).


Ivan Matić, Radoš Radoičić, and Dan Stefanica. A sharp Pólya-based approximation to the normal cumulative distribution

**MacRobert:1967:SHE**


**Mavromatis:1968:IFP**


**Mori:1982:ARS**


**Moricz:1987:ACF**


**Mudge:1994:PTS**

REFERENCES

LCCN ???? First of five volumes. IEEE Catalog No. 94TH0607-2.


REFERENCES


[Müll90] Volker Müller. Hochgenaue CORDIC-Algorithmen für reelle Standardfunktionen mittels dynamischer Defektberechnung


Muroi:1988:ECR


Muroi:1999:ESR


Musielak:1987:AEG


Moroz:2018:FCI

REFERENCES


REFERENCES


[NDT69] Edward W. Ng, C. J. Devine, and R. F. Tooper. Chebyshev polynomial expansion of Bose–Einstein functions of orders 1 to


Nishimoto:1984:TFD


Nishioka:1994:EFB


Nam:2008:PAE


Narayanaswami:1994:AE


Nannarelli:1999:LPR


Norlund:1950:HF


Norlund:1955:HF

Norton:1989:PCA


Nowak:2006:MCA


Navas-Palencia:2018:FAA


Navas-Palencia:2018:HPC


Navas-Palencia:2016:CCH


Natalini:2015:BPM


Özcağ:2016:RPI


Ollin:1982:CFE


Ohta:1994:INP


Ortiz:2004:SPI


Schulten:1979:AEC


Olver:2010:NHM


REFERENCES


REFERENCES


R. B. Paris. Error bounds for the uniform asymptotic expansion of the incomplete gamma function. *Journal of Compu-
REFERENCES


REFERENCES


REFERENCES


REFERENCES


Pineiro:2004:AAL


Pedersen:1980:HBM


Pedersen:2003:DGF


Pezulaev:1963:AEF


Peng:1981:AES


Peralta:1985:TRN


Pereira:1985:ECF

1985. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). See corrigendum [Per87].


REFERENCES


REFERENCES


Pitteway:1967:RAA


Pisarskii:1974:QCD


Paliouras:2000:FPP


Plofker:1996:ESM


Plofker:2001:EIT


Parlett:1985:DAA

REFERENCES

Plagianakos:2001:LCP


Polya:1949:RCP


Polyak:1988:SOM


Pomeranz:1974:AAE


Pomeranz:1976:REC


Pineiro:2005:HSF


ware, 1(4):372–379, December 1975. CODEN ACMSCU. ISSN 0098-3500 (print), 1557-7295 (electronic). See also [RS81].


REFERENCES


REFERENCES


REFERENCES

Qi:2015:SIT

Qiu:1996:SEC

Qiu:1998:SIG

Qian:2006:HMP

Qi:2018:DME

Rac:1982:GIV

Raff:1970:CGF
REFERENCES


REFERENCES


REFERENCES

Relph:1963:AAH

Relph:1963:AH

Relph:1963:ACH

Revfeim:1990:LEM

Rev:2016:ADF

Ramamoorthy:1972:SPI1

Rodriguez-Henriquez:2008:LCB
[RHMLL08] F. Rodriguez-Henriquez, G. Morales-Luna, and J. Lopez. Low-complexity bit-parallel square root computation over GF($2^m$)


REFERENCES


REFERENCES


[Rot70a] B. Rothmaier. Die Berechnung der Quadratwurzel nebst Schranken auf Dualmaschinen [English: The Computation of
REFERENCES


REFERENCES


Rutishauser:1951:BAK

Heinz Rutishauser. Bemerkungen zur Arbeit von K. Emden "Eine Lösung für $\int e^{b(x+a \cos x)} \, dx$". (German) [Remarks on the work by K. Emden, "A solution for $\int e^{b(x+a \cos x)} \, dx$"]. Zeitschrift für Angewandte Mathematik und Physik = Journal of Applied Mathematics and Physics, 2(4):292–293, July 1951. CODEN ZAMPDB. ISSN 0044-2275 (print), 1420-9039 (electronic).

Rutishauser:1963:BQG


Ruymgaart:1989:SPB


Ralston:1960:MMD


Raade:2004:MHS


Rokhlin:2007:AFC

Vladimir Rokhlin and Hong Xiao. Approximate formulae for certain prolate spheroidal wave functions valid for large values of both order and band-limit. Applied and Computational Harmonic Analysis. Time-Frequency and Time-Scale Analysis,
REFERENCES


Rzadowski:2012:SEE


Stegun:1957:GBF


Simon:2000:DCF


Simon:2005:DCF


Saan:1991:VFP

T. Saan. Vychislenie elementarnykh funktsii pomoshch'yu drobno-ratsional'nykh priblizhenii. (Russian) Calculation of ele-

**Sablonniere:2008:BSH**


**Safouhi:2010:BSC**


**Saigo:1989:FID**


**Salzer:1951:FCE**


**Salzer:1951:RTT**


**Salamin:1976:CUA**

REFERENCES


REFERENCES

Siafarikas:2001:PFI


Scarton:1971:DPF


Schmidt:1964:AEC


Schmidt:1968:AEK


Schmid:1973:BLVa


Schett:1976:PTS

REFERENCES


[Sch78a] Paul W. Schmidt. Evaluation of the integral \( \int_0^\infty \frac{t^{\alpha-1}e^{-t}(x\sqrt{1+t^2})(1+4\beta)}{4} dt \). *Mathematics of Computation*, 32(141):265–269, January 1978. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).


REFERENCES


[Sch95] E. M. Schwarz. Rounding for quadratically converging algorithms for division and square root. In Singh [Sin95], pages
REFERENCES


REFERENCES


Eric M. Schwarz and Michael J. Flynn. Hardware starting approximation method and its application to the square root op-
REFERENCES

Sofotasios:2010:NEM


Sayed:2016:WCR


Strecok:1972:HPE


Schulten:1976:REC


Schulte:1992:AHD


Segura:1998:PCF

REFERENCES


REFERENCES

Shanks:1976:TER


Shah:1985:SAA


Shenton:1954:INI


Sheorey:1974:CEW


Sheorey:1976:DCE


Shishkov:1993:RDB

Sholander:1960:AEE


Shore:1986:AID


Shore:2002:RMM


Shore:2005:ARB


Shterenlikht:2019:QIF


Sidhu:1995:EIF


Sidi:2003:PEM

Avram Sidi. *Practical Extrapolation Methods: Theory and Applications*, volume 10 of *Cambridge monographs on applied and


REFERENCES


REFERENCES


[Sko04] S. L. Skorokhodov. Symbolic transformations in the problem of analytic continuation of the hypergeometric function \( \genfrac{}{}{0pt}{}{p}{p-1} \) in the neighborhood of the point \( z = 1 \) in the logarithmic case.

**Skorokhodov:2005:MCG**

S. L. Skorokhodov. A method for computing generalized hypergeometric function $pF_{p-1}(a_1, \ldots, a_p; b_1, \ldots, b_{p-1}; 1)$ in terms of the Riemann zeta function. *Computational Mathematics and Mathematical Physics*, 45(4):550–562, ????. 2005. CODEN ????. ISSN 0965-5425 (print), 1555-6662 (electronic).

**Stern:1963:CSR**


**Shepherd:1981:CA**


**Sidi:1983:ZSP**


**Soderquist:1995:APC**


REFERENCES

Schindler:1977:CCS


Schindler:1978:GCG


Stratton:1941:ECS


Smith:1989:EMP


Smith:1991:AFP


Smith:1995:CFA


Smith:2001:AFS

David M. Smith. Algorithm 814: Fortran 90 software for floating-point multiple precision arithmetic, gamma and related


REFERENCES


Slepian:1961:PSW


Shibata:2020:SPV


Spellucci:1971:DPA


Spielberg:1961:ECF


Spira:1971:CGF


Spijk:1985:SRS


Spouge:1994:CGD

REFERENCES


REFERENCES

Scherberg:1953:ACP


Steinberg:1981:LSE


Shukla:2014:LLH


Stefanica:2016:SAA


Srivastava:1970:CRI


Srinivasan:2007:GFE


Slepian:1965:EAP

Smith:1987:BAM


Schulte:1993:ERC


Schulte:1993:PHD


Schulte:1994:HDE


Schulte:1997:SBT


Schulte:1997:AFA

[SS97b] M. J. Schulte and James E. Stine. Accurate function approximations by symmetric table lookup and addition. In Thiele
et al. [T+97], pages 144–153. ISBN 0-8186-7959-X, 0-8186-7960-
3, 0-8186-7958-1. LCCN TK7874.6 .I57 1997eb; TK7874.6 .I57

Sidi:1998:UBC

Avram Sidi and Yair Shapira. Upper bounds for con-
vergence rates of acceleration methods with initial iter-
1998. CODEN NUALEG. ISSN 1017-1398 (print), 1572-
com/content/getfile/5058/14/1/abstract.htm; http://
ipsapp007.kluweronline.com/content/getfile/5058/14/
1/fulltext.pdf.

Schulte:1999:AEF

M. Schulte and J. Stine. Approximating elementary functions
with symmetric bipartite tables. IEEE Transactions on Com-

Stine:1999:STA

E. Stine and M. J. Schulte. The symmetric table addition
method for accurate function approximation. Journal of VLSI
ISSN 0922-5773 (print), 1573-109x (electronic). URL http://

Slevinsky:2010:RAT

Richard M. Slevinsky and Hassan Safouhi. A recursive algorithm
for the G transformation and accurate computation of incom-
plete Bessel functions. Applied Numerical Mathematics: Trans-
actions of IMACS, 60(12):1411–1417, December 2010. CODEN
ANMAEL. ISSN 0168-9274 (print), 1873-5460 (electronic).

Schneider:2018:NFP

Barry I. Schneider, Javier Segura, Amparo Gil, Xiaoxu
Guan, and Klaus Bartschat. A new Fortran 90 pro-
gram to compute regular and irregular associated Leg-
endre functions (new version announcement). Computer
Physics Communications, 225(??):192–193, April 2018. CO-
DEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (elec-


REFERENCES


Stratton:1956:SWF


Strachey:1959:TSR


Strecok:1968:CIE


Suetin:1999:OPT


Sundblad:1971:AFT


Sun:1988:SAF

REFERENCES


Sweeney:1963:CEC


Stegun:1970:ACM


Stegun:1974:ACM


Stegun:1976:ACM


Sharma:1977:GMA


Stehle:2005:GAT


Szmytkowski:2013:EBT

Szm13  Radosław Szmytkowski. Erratum to *Formulas and Theorems for the Special Functions of Mathematical Physics* by W. Magnus,
REFERENCES


REFERENCES


REFERENCES


ANL-90/35, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439-4801, USA, November 1990. iii + 35 pp. URL http://www.osti.gov/bridge/servlets/purl/6310184-4n5sOR/6310184.PDF.


REFERENCES


[TC01] Michael D. Thorsley and Marita C. Chidichimo. An asymptotic expansion for the hypergeometric function $\, _2F_1(a, b; c; x)$. *Jour-
REFERENCES


REFERENCES


REFERENCES


REFERENCES


[Tho66] Rory Thompson. Evaluation of $I_n(b) = 2\pi^{-1} \int_0^{\infty} \left( \frac{\sin x}{x} \right)^n \cos(bx) dx$ and of similar integrals (in Technical Notes and Short Papers). Mathematics of Computation, 20(94):330–332, April 1966. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic).


[Tho04] I. J. Thompson. Erratum to Modified Bessel functions $I_{\nu u}(z)$ and $K_{\nu}(z)$ of real order and complex argument


REFERENCES

Todd:1990:WMP


Tolke:1943:PFE


Tolke:1950:PFE


Tolke:1966:PFT

[Töl66] Friedrich Tölke. Praktische Funktionenlehre. 2. Theta-Funktionen und spezielle Weierstrasssche Funktionen. (German) [Practical functional theory. 2. Theta functions and special Weierstrass functions]. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1966. vii + 248 pp. LCCN ????

Tolke:1967:PFJ

REFERENCES


REFERENCES

15–17 March 2000, pages S18/1–S18/4. IEEE Computer Society Press, 1109 Spring Street, Suite 300, Silver Spring, MD 20910, USA, 2000. CODEN ???. ISSN ???

Tornaria:2002:SRM


Tamura:1984:CFC


Traub:1960:CNM


Traub:1976:ACC


Tretjakov:1980:PSE


Timmermann:1994:CFV


**Tricomi:1950:AEU**


**Tricomi:1966:RUS**


**Trojan:1984:LBF**


**TadeudeMedeiros:1969:APF**


**Tugov:1976:MCA**


**Tenca:2018:PIS**

ISSN 2576-2265. LCCN QA76.9.C62. IEEE catalog number CFP18121-USB.


REFERENCES 420

Tchoumatchenko:2000:FBS


Tretter:1980:ASA


Udbhaya:1989:LAN


Uzer:2005:CAS


Ullrich:1990:CCA


USNBSCL:1949:TCH

United States National Bureau of Standards Computation Laboratory. Tables of the confluent hypergeometric function


REFERENCES


[Vil88] N. Ja. (Naum Jakovlevich) Vilenkin. *Special functions and the theory of group representations*, volume 22 of *Translations...
REFERENCES


[VK95] N. Ja. (Naum Jakovlevich) Vilenkin and A. U. (Anatolii Ul-

sianovich) Klimyk. Representation of Lie groups and spe-
cial functions: recent advances, volume 316 of Mathematics
catdir/enhancements/fy0823/95108075-d.html; http:/
/www.loc.gov/catdir/enhancements/fy0823/95108075-t.html.

[Vla02] V. S. (Vasilii Sergeevich) Vladimirov. Methods of the theory
of generalized functions, volume 6 of Analytical methods and
special functions. Taylor and Francis, Boca Raton, FL, USA,
V53 2002.

[VLCSFN+12] Hector Vazquez-Leal, Roberto Castaneda-Sheissa, Uriel Filob-
ello-Nino, Arturo Sarmiento-Reyes, and Jesus Sanchez Orea. High
accurate simple approximation of normal distribution integral.
Mathematical Problems in Engineering, 2012:1–22, 2012. ISSN
hindawi.com/journals/mpe/2012/124029/.

[VM87] Kley Visentin and Pablo Martín. Fractional approximation to
eLLiptic functions. Journal of Mathematical Physics, 28(2):330–
333, February 1987. CODEN JMAPAQ. ISSN 0022-2488 (print),
1089-7658 (electronic), 1527-2427. URL http://jmp.aip.org/
resource/1/jmapaq/v28/i2/p330_s1.

[VM19] Anastasia Volkova and Jean-Michel Muller. Semi-automatic im-
plementation of the complementary error function. In Takagi
et al. [TBL19], pages 167–174. ISBN 1-72813-366-1. ISSN 1063-
6889.
REFERENCES


REFERENCES


REFERENCES


Walmsley:1984:EEM


Walz:1996:AE


Wang:1974:UEZ


Wang:1982:AME


Wang:2016:UAA


Ward:1960:CCE


Warmus:1960:TEF

References


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Wigner:1967:BRW


Wilcox:1968:ZTN


Wilson:1970:OSA


Wills:1971:URR


Williams:1996:TMF

[Wil96] K. B. Williams. Testing math functions: When requirements are tight, we must carefully examine all potential sources of error. Make sure your math library isn’t the weak link in the chain. C/C++ Users Journal, 14(12):49–54, 58–65, December 1996. CODEN CCUJEX. ISSN 1075-2838. Describes a package that extends the Cody-Waite-Plauger work on the ELEFUNT package for the testing of the elementary functions, including the inverse hyperbolic functions, cube root, and Bessel functions of
the first and second kinds. The C++ package implements 192-bit extended precision versions of all of the functions, so that accurate results are available for comparison with the normal double-precision results.


REFERENCES

Wimp:1981:STT


Wimp:1982:CMS


Wise:1948:IBF


Witte:1968:AAJ


Wood:1966:DBI


Wu:2011:NEL


Woods:1992:HPD

R. F. Woods, S. E. McQuillan, J. Dowling, and J. V. McCanny. High performance DSP ASIC for multiply, divide and square
REFERENCES


REFERENCES


[WS84] Antoni Wawrzyńczyk and Aleksander Strasburger. Group representations and special functions, volume 8 of *Mathematics and its applications. East European series*. D. Reidel, Dordrecht, The Netherlands; Boston, MA, USA; Lancaster, UK; Tokyo, Japan,


REFERENCES


REFERENCES


 REFERENCES

Yoshida:1997:HFM


Yun:2009:ACN


Yun:2014:AHA


Zaghloul:2011:ACF


Zaghloul:2016:RAC


Zaghloul:2017:ASE

REFERENCES


REFERENCES

Zeng:2004:AMM


Zura

Zurawski:1987:DHS


Zhang:1995:TMAb


Zhang:1996:NTM


Zhang:1996:SNC


Zhu:2010:JT1

REFERENCES


REFERENCES


