

# A Bibliography of Publications of *W. J. Cody*

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## Abstract

This bibliography records publications of W. J. Cody.

## Title word cross-reference

$-1/2$  [11, 15].  $1/2$  [11, 15].  $3/2$  [11, 15].  
 $[0, \infty)$  [22].  $E$  [4, 6, 3, 3].  $e^{-x}$  [22].  $E_1(x)$   
[18].  $Ei(x)$  [21].  $K$  [4, 6, 3, 3].

**0.5e** [60].

**10th** [121]. **11/780** [73]. **1st** [110].

**20th** [111].

**3600** [1].

**Accuracy** [86, 95, 25, 38, 64]. **ACM** [103].  
**Address** [93]. **Algorithm**

[62, 78, 83, 88, 96, 97, 98, 28]. **algorithms**  
[12]. **Alliant** [76]. **Alternative** [73].  
**Analysis** [54, 87, 106, 47]. **Annual**  
[103, 110]. **Applications** [105, 22].  
**approach** [40]. **Approximation** [29, 43].  
**Approximations** [4, 6, 9, 14, 21, 26, 7, 11,  
15, 16, 17, 18, 19, 22, 24, 27, 31, 35]. **April**  
[99, 108, 105]. **Architectural** [111].  
**Architecture** [110]. **Ardent** [84]. **Argonne**  
[117]. **Arithmetic**  
[37, 58, 66, 71, 83, 93, 97, 121, 120, 53, 60, 63].  
**Art** [117]. **Aspect** [13]. **AST** [89]. **Atlantic**  
[99]. **atoms** [2]. **August** [103, 110, 114].  
**available** [80].

**Balance** [75]. **Basic** [56]. **basics** [48, 51].  
**Bessel** [46, 50, 62, 85]. **Between** [114].  
**Binary** [83, 97]. **Boston** [103, 100].  
**Boulder** [113, 114]. **Brook** [109]. **BSD** [73].  
**Bureau** [113].

**CA** [111]. **California** [111]. **Carolina** [104].

**CDC** [1]. **CDC-3600** [1]. **CELEFUNT** [92, 96]. **Certain** [85]. **certify** [34]. **challenge** [45]. **Chapel** [104]. **Characteristics** [32, 37]. **Chebyshev** [4, 5, 6, 7, 9, 11, 15, 16, 17, 18, 19, 21, 22, 24, 26, 27, 31, 35]. **City** [99]. **collaborative** [34]. **Collins** [110]. **Colorado** [110, 113, 114]. **COMPCON** [111]. **Complementary** [82, 91]. **Complete** [4, 5, 6, 3]. **Complex** [92, 96]. **Computation** [32, 46, 114]. **Computational** [117, 48, 51, 56]. **Computer** [99, 100, 101, 108, 115, 104, 121, 107, 120]. **Computing** [14, 119, 118]. **concepts** [56]. **conduction** [22]. **Conference** [103, 99, 100, 101, 105, 113, 114, 106]. **Construction** [39]. **Contained** [30, 20]. **Corrigenda** [6]. **Corrigendum** [11, 17]. **Coulomb** [26, 28]. **Critique** [10].

**Dawson** [27]. **design** [12]. **Desirable** [32]. **Determine** [78]. **Development** [116, 42]. **Digest** [111]. **Dirac** [11, 15]. **disseminate** [34]. **Document** [60]. **Double** [1]. **Double-Precision** [1]. **Draft** [60]. **Drivers** [88, 98]. **Dundee** [106]. **Dynamic** [37]. **Dynamically** [78].

**Economical** [13]. **Editor** [13]. **Effort** [65, 34, 69, 70]. **elastic** [2]. **ELEFUNT** [74, 75, 76, 84, 89]. **Elementary** [33, 52, 92, 96, 61]. **Elliptic** [4, 5, 6, 3]. **Encore** [74]. **Encyclopedia** [107]. **Environments** [118]. **equations** [19]. **Error** [82, 91, 24]. **Evaluating** [113]. **Evaluation** [81, 82, 85, 91, 94, 36]. **Expansions** [5]. **Exponential** [14, 21, 18]. **exponentiation** [20].

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**Jack** [111]. **James** [117]. **January** [113]. **Joint** [99, 100, 101]. **July** [106]. **June** [109, 104, 121].

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[47, 78, 12]. **Manual** [52]. **March** [115]. **Massachusetts** [108]. **Mathematical** [65, 116, 112, 113, 102, 34, 36, 44, 69, 70]. **Mathematics** [117, 105, 48, 51]. **May** [100]. **Methodologies** [112]. **Methods** [119, 104]. **Microcomputers** [110, 118]. **minicomputers** [45]. **models** [57]. **Modified** [62, 50]. **Mountain** [110]. **Multimax** [74].

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**S22** [28]. **San** [111]. **Scale** [118]. **scattering** [2]. **Science** [108, 115, 107]. **Scientific** [32, 119]. **Second** [46, 69, 70]. **Self** [20, 30]. **Self-Contained** [30, 20]. **Seminar** [112]. **sensible** [53]. **September** [117, 110]. **Sequence** [62]. **Sequent** [75, 89]. **Series** [86, 95]. **Shift** [26]. **slow** [2]. **Software** [33, 48, 49, 51, 52, 59, 65, 68, 72, 109, 116, 105, 110, 112, 102, 34, 36, 42, 44, 45, 50, 56, 61, 69, 70, 40]. **Sorrento** [112]. **Sources** [116]. **SPECFUN** [77, 88, 98]. **Special** [41, 55, 88, 98, 42, 67, 68, 72, 77]. **Spring** [99, 100, 111]. **Square** [1]. **Standard** [49, 54, 58, 66, 71, 83, 87, 97, 60, 63]. **Standards** [79, 93, 113, 57]. **State** [117]. **Static** [37]. **Statistical** [25, 38, 64]. **Statistics** [108, 8, 115]. **Study** [25, 38, 64]. **Subcommittee** [60]. **Subroutine** [39, 78]. **Subroutines** [41, 55, 23]. **Support** [83, 97]. **Survey** [29]. **Symmetry** [89]. **Symposium** [108, 117, 115, 104, 110, 121]. **System** [8, 10]. **System/360** [8, 10]. **Systems** [110, 25, 38, 64].

**Tables** [3]. **Tar** [111]. **Taylor** [86, 95]. **TC2** [114]. **Techniques** [113]. **Technology** [108, 105]. **Test** [74, 75, 76, 84, 86, 88, 89, 92, 95, 96, 98, 61, 104]. **Testing** [59, 23]. **Texas** [115]. **Theory** [43, 79]. **thoughts** [69, 70]. **Titan** [84]. **Transportable** [61].

**University** [108, 105, 104]. **UNIX** [73, 84]. **USA** [114]. **Use** [86, 95]. **Using** [84, 7, 17, 19].

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**Wave** [28]. **Wilkinson** [117]. **Word** [66, 71]. **Word-length-independent** [66, 71]. **Working** [60, 114]. **Workshop** [109].

**X1.4** [74]. **XXX** [83, 88].

**zeta** [31].

## References

- [1] W. J. Cody, Jr. Double-precision square root for the CDC-3600. *Communications of the Association for Computing Machinery*, 7(12):715–718, December 1964. CODEN CACMA2. ISSN 0001-0782 (print), 1557-7317 (electronic).

- [2] W. J. Cody, Joan Lawson, Sir Harrie Massey, F.R.S., and K. Smith. The elastic scattering of slow positrons by hydrogen atoms. *Proceedings of the Royal Society of London. Series A, Mathematical and physical sciences*, 278:479–489, 1964. CODEN PRLAAZ. ISSN 0080-4630.

- [3] M. A. Fisherkeller and W. J. Cody, Jr. Tables of the complete elliptic integrals  $K$ ,  $K'$ ,  $E$ , and  $E'$ . Technical Memo ANL AMD 71, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439-4801, USA, 1964. 14 pp. See review by John W. Wrench in *Mathematics of Computation*, 19(89–92), 342, 1965.

- [4] W. J. Cody, Jr. Chebyshev approximations for the complete elliptic integrals  $K$  and  $E$ . *Mathematics of Computation*, 19(89–92):105–112, April 1965. CODEN MCMPAF. ISSN 0025-5718 (paper), 1088-6842 (electronic). URL <http://www.jstor.org/stable/2004103>. See also [6].

- [5] W. J. Cody, Jr. Chebyshev polynomial expansions of complete elliptic integrals. *Mathematics of Computation*, 19(89–92):249–259, April 1965. CODEN MCMPAF. ISSN 0025-5718 (paper), 1088-6842 (electronic). URL <http://www.jstor.org/stable/2003350>.

- [6] W. J. Cody, Jr. Corrigenda: “Chebyshev approximations for the complete elliptic integrals  $K$  and  $E$ ”. *Mathematics of Computation*, 20(93):207, January 1966. CODEN MCMPAF. ISSN 0025-5718 (paper), 1088-6842 (electronic). See [4].

- [7] W. J. Cody and J. Stoer. Rational Chebyshev approximations using interpolation. *Numerische Mathematik*, 9:177–188, 1966. CODEN NUMMA7. ISSN 0029-599X (print), 0945-3245 (electronic). See also [17].

- [8] N. A. Clark, W. J. Cody, K. E. Hillstrom, and E. A. Thieleker. Performance statistics of the FORTRAN IV (H) library for the IBM System/360. Technical Report ANL-7231, Argonne National Laboratory, Argonne, IL, USA,

**Cody:1965:CAC**

**Cody:1965:CPE**

**Cody:1966:CCA**

**Cody:1966:RCA**

**Clark:1967:PSF**

**Cody:1964:DPS**

**Cody:1964:ESS**

**Fisherkeller:1964:TCE**

1967. Reprinted in SHARE Secretary Distribution, SDD 169, C4473, pp. 12–46.

**Cody:1967:CAN**

- [9] W. J. Cody, Jr. and K. E. Hillstrom. Chebyshev approximations for the natural logarithm of the gamma function. *Mathematics of Computation*, 21(98):198–203, April 1967. CODEN MCM-PAF. ISSN 0025-5718 (paper), 1088-6842 (electronic). URL <http://www.jstor.org/stable/2004160>.

**Cody:1967:CFI**

- [10] W. J. Cody. Critique of the FORTRAN IV (H) library for the IBM System/360. *SHARE Secretary Distribution*, SSD 169 (C4473):4–11, 1967.

**Cody:1967:CRC**

- [11] W. J. Cody and Henry C. Thacher, Jr. Corrigendum: “Rational Chebyshev approximations for Fermi-Dirac integrals of orders  $-1/2$ ,  $1/2$ , and  $3/2$ ”. *Mathematics of Computation*, 21(99):525, July 1967. CODEN MCMPAF. ISSN 0025-5718 (paper), 1088-6842 (electronic). URL <http://www.jstor.org/stable/2003289>. See [15].

**Cody:1967:IMD**

- [12] W. J. Cody. The influence of machine design on numerical algorithms. In AFIPS SJCC '67 [99], pages 305–309. LCCN TK7885.A1 J6 1967.

**Cody:1967:LEA**

- [13] William J. Cody, Jr. Letter to the Editor: Another aspect of economical polynomials. *Communications of the Association for Computing Machinery*, 10(9):531, September 1967. CODEN

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

**Cody:1967:NCA**

- [14] W. J. Cody and Anthony Ralston. A note on computing approximations to the exponential function. *Communications of the Association for Computing Machinery*, 10(1):53–55, January 1967. CODEN CACMA2. ISSN 0001-0782 (print), 1557-7317 (electronic).

**Cody:1967:RCA**

- [15] W. J. Cody and Henry C. Thacher, Jr. Rational Chebyshev approximations for Fermi-Dirac integrals of orders  $-1/2$ ,  $1/2$ , and  $3/2$ . *Mathematics of Computation*, 21(97):30–40, January 1967. CODEN MCMPAF. ISSN 0025-5718 (paper), 1088-6842 (electronic). URL <http://www.jstor.org/stable/2003468>. See also [11].

**Cody:1968:CAF**

- [16] W. J. Cody. Chebyshev approximations for the Fresnel integrals. *Mathematics of Computation*, 22(102):450–453 (plus microfiche supplement), April 1968. CODEN MCMPAF. ISSN 0025-5718 (paper), 1088-6842 (electronic).

**Cody:1968:CRC**

- [17] W. J. Cody and J. Stoer. Corrigendum: “Rational Chebyshev approximations using interpolation”. *Numerische Mathematik*, 12:230, 1968. CODEN NUMMA7. ISSN 0029-599X (print), 0945-3245 (electronic). See [7].

**Cody:1968:RCAa**

- [18] W. J. Cody and H. C. Thacher, Jr. Rational Chebyshev approximations for the exponential integral  $E_1(x)$ . *Mathematics*

of *Computation*, 22(103):641–649, July 1968. CODEN MCMPAF. ISSN 0025-5718 (paper), 1088-6842 (electronic).

**Cody:1968:RCAb**

- [19] W. J. Cody, W. Fraser, and J. F. Hart. Rational Chebyshev approximations using linear equations. *Numerische Mathematik*, 12:242–251, 1968. CODEN NUMMA7. ISSN 0029-599X (print), 0945-3245 (electronic).

**Clark:1969:SCE**

- [20] N. W. Clark and W. J. Cody. Self-contained exponentiation. In AFIPS FJCC '69 [101], pages 701–706. LCCN TK7885.A1 J6 1969.

**Cody:1969:CAE**

- [21] W. J. Cody and Henry C. Thacher, Jr. Chebyshev approximations for the exponential integral  $Ei(x)$ . *Mathematics of Computation*, 23(106):289–303, April 1969. CODEN MCMPAF. ISSN 0025-5718 (paper), 1088-6842 (electronic).

**Cody:1969:CRA**

- [22] W. J. Cody, G. Meinardus, and R. S. Varga. Chebyshev rational approximations to  $e^{-x}$  on  $[0, \infty)$  and applications to heat conduction problems. *J. Approx. Theory*, 2(??):50–65, ?? 1969. CODEN JAXTAZ. ISSN 0021-9045.

**Cody:1969:PTF**

- [23] W. J. Cody. Performance testing of function subroutines. In AFIPS SJCC '69 [100], pages 759–763. LCCN TK7885.A1 J6 1969.

**Cody:1969:RCA**

- [24] W. J. Cody, Jr. Rational Chebyshev approximations for the error function.

*Mathematics of Computation*, 23(107):631–637, July 1969. CODEN MCM-PAF. ISSN 0025-5718 (paper), 1088-6842 (electronic). URL <http://www.jstor.org/stable/2004390>.

**Kuki:1969:SSA**

- [25] H. Kuki and W. J. Cody. A statistical study of the accuracy of floating point number systems. *Communications of the Association for Computing Machinery*, 16(4):223–230, April 1969. CODEN CACMA2. ISSN 0001-0782 (print), 1557-7317 (electronic).

**Cody:1970:CAC**

- [26] W. J. Cody and K. E. Hillstrom. Chebyshev approximations for the Coulomb phase shift. *Mathematics of Computation*, 24(111):671–677, July 1970. CODEN MCMPAF. ISSN 0025-5718 (paper), 1088-6842 (electronic).

**Cody:1970:CAD**

- [27] W. J. Cody, Kathleen A. Paciorek, and Henry C. Thacher, Jr. Chebyshev approximations for Dawson's integral. *Mathematics of Computation*, 24(109):171–178, January 1970. CODEN MCM-PAF. ISSN 0025-5718 (paper), 1088-6842 (electronic).

**Cody:1970:RAC**

- [28] W. J. Cody and Kathleen A. Paciorek. Remark on Algorithm 292 [S22]: Regular Coulomb wave functions. *Communications of the Association for Computing Machinery*, 13(9):573, September 1970. CODEN CACMA2. ISSN 0001-0782 (print), 1557-7317 (electronic).

**Cody:1970:SPR**

- [29] W. J. Cody. A survey of practical rational and polynomial approximation of functions. *SIAM Review*, 12(3):400–423, July 1970. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). Reprinted in *Studies in Applied Mathematics*, 6, SIAM, 1970, pp. 86–109.

**Clark:1971:SCP**

- [30] N. W. Clark, W. J. Cody, and H. Kuki. Self-contained power routines. In *Mathematical Software* [102], pages 399–415. ISBN 0-12-587250-X. LCCN QA1 .M26.

**Cody:1971:CAR**

- [31] W. J. Cody, K. E. Hillstrom, and Henry C. Thatcher, Jr. Chebyshev approximations for the Riemann zeta function. *Mathematics of Computation*, 25(115):537–547, July 1971. CODEN MCMPAF. ISSN 0025-5718 (paper), 1088-6842 (electronic).

**Cody:1971:DHC**

- [32] W. J. Cody. Desirable hardware characteristics for scientific computation. *ACM SIGNUM Newsletter*, 6(1):16–31, January 1971. CODEN SNEWD6. ISSN 0163-5778 (print), 1558-0237 (electronic).

**Cody:1971:SEF**

- [33] W. J. Cody. Software for the elementary functions. In *Mathematical Software* [102], pages 171–186. ISBN 0-12-587250-X. LCCN QA1 .M26.

**Boyle:1972:NCE**

- [34] J. M. Boyle, W. J. Cody, W. R. Cowell, B. S. Garbow, Y. Ikebe, C. B. Moler,

and B. T. Smith. NATS, a collaborative effort to certify and disseminate mathematical software. In ACM '72 [103], pages 630–635. LCCN TK 7885 A84p 1972. Two volumes.

**Cody:1973:CAP**

- [35] W. J. Cody, Jr., Anthony J. Strecok, and Henry C. Thatcher, Jr. Chebyshev approximations for the psi function. *Mathematics of Computation*, 27(21):123–127, January 1973. CODEN MCMPAF. ISSN 0025-5718 (paper), 1088-6842 (electronic). URL <http://www.jstor.org/stable/2005253>.

**Cody:1973:EMS**

- [36] W. J. Cody. The evaluation of mathematical software. In Hetzel [104], pages 121–133. ISBN 0-13-729624-X. LCCN QA76.P69.

**Cody:1973:SDN**

- [37] William J. Cody, Jr. Static and dynamic numerical characteristics of floating-point arithmetic. *IEEE Transactions on Computers*, C-22(6):598–601, June 1973. CODEN IT-COB4. ISSN 0018-9340 (print), 1557-9956 (electronic). URL <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5009112>; [http://www.acsel-lab.com/arithmetic/arith2/papers/ARITH2\\_Cody.pdf](http://www.acsel-lab.com/arithmetic/arith2/papers/ARITH2_Cody.pdf).

**Kuki:1973:SSA**

- [38] H. Kuki and W. J. Cody. A statistical study of the accuracy of floating point number systems. *Communications of the Association for Computing Machinery*, 16(4):223–230, April 1973. CODEN CACMA2. ISSN 0001-0782 (print), 1557-7317 (electronic).

**Cody:1974:CNS**

- [39] W. J. Cody. The construction of numerical subroutine libraries. *SIAM Review*, 16(1):36–46, January 1974. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

**Smith:1974:NAQ**

- [40] B. T. Smith, J. M. Boyle, and W. J. Cody. The NATS approach to quality software. In Evans [105], pages 393–405. ISBN 0-12-243750-0. LCCN QA297 .S591.

**Cody:1975:FPS**

- [41] W. J. Cody. The FUNPACK package of special function subroutines. *ACM Transactions on Mathematical Software*, 1(1):13–25, March 1975. CODEN ACM-SCU. ISSN 0098-3500 (print), 1557-7295 (electronic).

**Cody:1975:OSD**

- [42] W. J. Cody. An overview of software development for special functions. In Watson [106], pages 38–48. ISBN 0-387-07620-7 (invalid ISBN?). ISSN 0720-258X, 0269-3674. LCCN QA3 .L35 v.506.

**Cody:1976:AT**

- [43] W. J. Cody. Approximation theory. In Ralston and Meek [107], pages 87–90. ISBN 0-88405-321-0. LCCN QA76.15 .E56 1976. US\$60.00.

**Cody:1976:RMS**

- [44] W. J. Cody. Robustness in mathematical software. In Hoaglin and Welsch [108], pages 76–78. ISBN 0-87150-237-2. LCCN QA 276 A1 I53 1976.

**Cody:1977:CNS**

- [45] W. J. Cody. The challenge in numerical software for minicomputers. In IEEE RMSS '77 [110], pages 1–23. LCCN QA76.5 .R535 1977a.

**Cody:1977:CRF**

- [46] W. J. Cody, Rose M. Motley, and L. Wayne Fullerton. The computation of real fractional order Bessel functions of the second kind. *ACM Transactions on Mathematical Software*, 3(3):232–239, September 1977. CODEN ACMSCU. ISSN 0098-3500 (print), 1557-7295 (electronic).

**Cody:1977:MPN**

- [47] W. J. Cody. Machine parameters for numerical analysis. In Cowell [109], pages 49–67. ISBN 0-387-08446-0. LCCN QA297 .W65 1976.

**Cody:1978:SBC**

- [48] W. J. Cody. Software basics for computational mathematics. Technical Memo ANL AMD 328, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439-4801, USA, November 1978. Draft form of [51].

**Cody:1979:IP1**

- [49] W. Cody. Impact of the proposed IEEE floating point standard on numerical software. *ACM SIGNUM Newsletter*, 14 (special issue):29–30, October 1979. CODEN SNEWD6. ISSN 0163-5778 (print), 1558-0237 (electronic).

**Cody:1980:PRS**

- [50] W. J. Cody. Preliminary report on software for modified Bessel functions of the



first kind. Amd tech. memo tm-357, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439-4801, USA, 1980. ?? pp.

**Cody:1980:SBC**

- [51] W. J. Cody. Software basics for computational mathematics. *ACM SIGNUM Newsletter*, 15(2):18–29, June 1980. CODEN SNEWD6. ISSN 0163-5778 (print), 1558-0237 (electronic). Reprinted from “Program Directions for Computational Mathematics”, R. Huddleston (ed.), DOE, June 1979.

**Cody:1980:SME**

- [52] William J. Cody, Jr. and William Waite. *Software Manual for the Elementary Functions*. Prentice-Hall, Englewood Cliffs, NJ 07632, USA, 1980. ISBN 0-13-822064-6. x + 269 pp. LCCN QA331.C635 1980.

**Cody:1980:TSF**

- [53] W. J. Cody. Towards sensible floating-point arithmetic. In IEEE COMPCON Spring '80 [111], pages 488–490. LCCN TK7885.A1 C53 1980.

**Cody:1981:APF**

- [54] William J. Cody, Jr. Analysis of proposals for the floating-point standard. *Computer*, 14(3):63–68, March 1981. CODEN CPTRB4. ISSN 0018-9162 (print), 1558-0814 (electronic).

**Cody:1981:FPS**

- [55] W. J. Cody. FUNPACK—A package of special function subroutines. Technical Report TM-385, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439-4801, USA, April 1981. ii + 14 pp. Republished in [67].

**Cody:1982:BCC**

- [56] W. J. Cody. Basic concepts for computational software. In Messina and Murli [112], pages 1–23. ISBN 0-387-11603-6 (New York), 3-540-11603-6 (Berlin). LCCN QA76.95 .P76 1982.

**Cody:1982:FPM**

- [57] W. J. Cody. Floating-point parameters, models, and standards. In Reid [114], pages 51–69. ISBN 0-444-86377-X. LCCN QA297 .I34 1981.

**Cody:1982:GPI**

- [58] W. J. Cody. A generalization of the proposed IEEE standard for floating-point arithmetic. Technical Report ??, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439-4801, USA, 1982. 20 pp. Republished in [63].

**Cody:1982:ITF**

- [59] W. J. Cody. Implementation and testing of function software. In Messina and Murli [112], pages 24–47. ISBN 0-387-11603-6 (New York), 3-540-11603-6 (Berlin). LCCN QA76.95 .P76 1982.

**Cody:1982:PRI**

- [60] W. J. Cody, Chairman. A proposed radix-independent standard for floating-point arithmetic, draft 0.5e, IEEE radix-free floating point subcommittee working document P854/82-63. Technical report, IEEE Computer Society Press, 1109 Spring Street, Suite 300, Silver Spring, MD 20910, USA, 1982. ?? pp.

**Cody:1982:TTP**

- [61] W. J. Cody. Transportable test procedures for elementary function software. In Mulvey [113], pages 236–247. ISBN 0-387-11495-5. LCCN QA402.5 .E94 1982.

**Cody:1983:ASM**

- [62] W. J. Cody. Algorithm 597: Sequence of modified Bessel functions of the first kind. *ACM Transactions on Mathematical Software*, 9(2):242–245, June 1983. CODEN ACMSCU. ISSN 0098-3500 (print), 1557-7295 (electronic).

**Cody:1983:GPI**

- [63] W. J. Cody. A generalization of the proposed IEEE standard for floating-point arithmetic. In Gentle [115], pages 133–139. ISBN 0-444-86688-4. LCCN QA276.4 .S95 1983. Republication of [58].

**Kuki:1983:SSA**

- [64] H. Kuki and W. J. Cody. A statistical study of the accuracy of floating point number systems (reprint). *Communications of the Association for Computing Machinery*, 26(1):79–83, January 1983. CODEN CACMA2. ISSN 0001-0782 (print), 1557-7317 (electronic). Reprint of [38].

**Cody:1984:OMS**

- [65] W. J. Cody. Observations on the mathematical software effort. In Cowell [116], pages 1–19. ISBN 0-13-823501-5. LCCN QA76.95 .S68 1984. US\$32.50.

**Cody:1984:PRW**

- [66] William J. Cody, Jr., Jerome T. Coonen, David M. Gay, K. Hanson, David G. Hough, William Kahan, Richard Karpinski, John F. Palmer, Frederic N. Ris, and David Stevenson. A proposed radix- and word-length-independent standard for floating-point arithmetic. *IEEE Micro*, 4(4):86–100, August 1984. CODEN IEMIDZ.

ISSN 0272-1732 (print), 1937-4143 (electronic).

**Cody:1984:SPS**

- [67] W. J. Cody. FUNPACK—A package of special function routines. In Cowell [116], pages 49–67. ISBN 0-13-823501-5. LCCN QA76.95 .S68 1984. US\$32.50. Republication of [55].

**Cody:1984:SSF**

- [68] W. J. Cody. Software for special functions. Technical Report ANS/MCS-TM-37, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439-4801, USA, October 1984. Also published as [72].

**Cody:1984:STMa**

- [69] W. J. Cody. Second thoughts on the mathematical software effort: a perspective. Technical Report ANL-84-83, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439-4801, USA, October 1984. 18 pp.

**Cody:1984:STMb**

- [70] W. J. Cody. Second thoughts on the mathematical software effort: a perspective. In Dongarra et al. [117], pages 129–152. LCCN QA297.S879 1984. Copies of lecture slides. See [69] for the text.

**Cody:1985:PRW**

- [71] W. J. Cody, J. T. Coonen, D. M. Gay, K. Hanson, D. Hough, W. Kahan, R. Karpinski, J. Palmer, F. N. Ris, and D. Stevenson. A proposed radix- and word-length-independent standard for floating-point arithmetic. *ACM SIGNUM Newsletter*, 20(1):37–51, January 1985. CODEN SNEWD6. ISSN

0163-5778 (print), 1558-0237 (electronic).

**Cody:1985:SSF**

- [72] W. J. Cody. Software for special functions. In *Rendiconti del Seminario Matematico, Fascicolo Speciale, Convegno su "Special Functions", Università e Politecnico Torino, Italy*, pages 91–116. ??, ??, 1985. ISBN ?? LCCN ?? Also published as [68].

**Cody:1986:ALB**

- [73] W. J. Cody. An alternative library under 4.2 BSD UNIX on a VAX 11/780. Technical Report ANL-86-10, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439-4801, USA, February 1986. iii + 30 pp.

**Cody:1986:ETRa**

- [74] W. J. Cody. ELEFUNT test results under X1.4 on the Encore Multimax. Technical Report MCS-TM-68, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439-4801, USA, April 1986. 11 pp.

**Cody:1986:ETRb**

- [75] W. J. Cody. ELEFUNT test results under NS32000 Fortran V2.5.3 on the Sequent Balance. Technical Report MCS-TM-80, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439-4801, USA, September 1986. 12 pp.

**Cody:1986:ETRc**

- [76] W. J. Cody. ELEFUNT test results under FX/Fortran version 1.0 on the Aliant FX/8. Technical Report MCS-TM-78, Argonne National Laboratory, 9700

South Cass Avenue, Argonne, IL 60439-4801, USA, ?? 1986. ?? pp.

**Cody:1987:SPS**

- [77] W. J. Cody. SPECFUN—a portable special function package. In Wouk [118], pages 1–12. ISBN 0-89871-210-6. LCCN QA76.5 .W66 1985.

**Cody:1988:AMS**

- [78] W. J. Cody. Algorithm 665. MACHAR: A subroutine to dynamically determine machine parameters. *ACM Transactions on Mathematical Software*, 14(4):303–311, December 1988. CODEN ACM-SCU. ISSN 0098-3500 (print), 1557-7295 (electronic). URL <http://www.acm.org/pubs/toc/Abstracts/0098-3500/51907.html>.

**Cody:1988:FSP**

- [79] W. J. Cody. Floating-point standards—theory and practice. In Moore [119], pages 99–107. ISBN 0-12-505630-3. LCCN QA76.9.E94 R451 1988.

**Cody:1988:NVM**

- [80] W. J. Cody. New version of MACHAR available. *ACM SIGNUM Newsletter*, 23(3, 4):9–10, July–October 1988. CODEN SNEWD6. ISSN 0163-5778 (print), 1558-0237 (electronic).

**Cody:1988:PEPa**

- [81] W. J. Cody, Jr. Performance evaluation of programs related to the real gamma function. Mathematics and Computer Science Preprint MCS-P12-0988, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439-4801, USA, September 1988. ?? pp. Published in [94].

**Cody:1988:PEPb**

- [82] W. J. Cody, Jr. Performance evaluation of programs for the error and complementary error functions. Mathematics and Computer Science Preprint MCS-P13-0988, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439-4801, USA, September 1988. Published in [91].

**Cody:1989:AXF**

- [83] W. J. Cody. Algorithm XXX: Functions to support the IEEE standard for binary floating-point arithmetic. Technical Report MCS-P90-0789, Mathematics and Computer Science Division, Argonne National Laboratory, Argonne, IL, USA, July 1989. 7 + 9 (C source code) pp.

**Cody:1989:ETR**

- [84] W. J. Cody. ELEFUNT test results using Titan Fortran under Ardent UNIX 2.0 on the Titan. Technical Report MCS-TM-129, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439-4801, USA, March 1989. iii + 14 pp.

**Cody:1989:PEP**

- [85] W. J. Cody and L. Stoltz. Performance evaluation of programs for certain Bessel functions. *ACM Transactions on Mathematical Software*, 15(1): 41–48, March 1989. CODEN ACM-SCU. ISSN 0098-3500 (print), 1557-7295 (electronic). URL <http://www.acm.org/pubs/toc/Abstracts/0098-3500/62039.html>. Also published as Technical Report MCS-P14-0988, Argonne National Laboratory, Argonne, IL, USA.

**Cody:1989:UTS**

- [86] W. J. Cody and L. Stoltz. The use of Taylor series to test accuracy of function programs. Technical Report MCS-P61-0289, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439-4801, USA, February 1989. ?? pp. Published in [95].

**Cody:1990:APF**

- [87] W. J. Cody. Analysis of proposals for the floating-point standard. In *Computer Arithmetic* [120], pages 312–316. ISBN 0-8186-8945-5. LCCN QA76.9 .C62C66 1990. Reprint of [54]. The citation of that source in the book is incorrectly listed as volume 20, 1987, instead of the correct volume 14, 1981.

**Cody:1990:AXS**

- [88] W. J. Cody. Algorithm XXX: SPEC-FUN: A portable package of special functions and test drivers. Technical Report MCS-P179-0990, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439-4801, USA, September 1990. 10 pp.

**Cody:1990:ETR**

- [89] W. J. Cody. ELEFUNT test results under AST Fortran V1.8.0 on the Sequent Symmetry. Technical Report MCS-TM-138, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439-4801, USA, July 1990. ?? pp.

**Cody:1990:NI**

- [90] W. J. Cody. The normal integral. Technical Report MCS-P189-1090, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439-4801, USA, November 1990. 2 + 4 (C source code) pp.

**Cody:1990:PEP**

- [91] W. J. Cody, Jr. Performance evaluation of programs for the error and complementary error functions. *ACM Transactions on Mathematical Software*, 16(1):29–37, March 1990. CODEN ACM-SCU. ISSN 0098-3500 (print), 1557-7295 (electronic). URL <http://www.acm.org/pubs/citations/journals/toms/1990-16-1/p29-cody/>; <http://www.acm.org/pubs/toc/Abstracts/0098-3500/77628.html>.

**Cody:1991:CPT**

- [92] W. J. Cody. CELEFUNT: A portable test package for complex elementary functions. Technical Report ANL-91/1, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439-4801, USA, January 1991. iii + 21 pp.

**Cody:1991:KAA**

- [93] W. J. Cody. Keynote address: Arithmetic standards: The long road. In Kornerup and Matula [121], page ix. ISBN 0-8186-9151-4 (case), 0-8186-6151-8 (microfiche), 0-7803-0187-0 (library binding). LCCN QA76.9.C62 S95 1991. URL [http://www.acsel-lab.com/arithmetic/arith10/papers/ARITH10\\_keynote.pdf](http://www.acsel-lab.com/arithmetic/arith10/papers/ARITH10_keynote.pdf). IEEE catalog no. 91CH3015-5.

**Cody:1991:PEP**

- [94] W. J. Cody, Jr. Performance evaluation of programs related to the real gamma function. *ACM Transactions on Mathematical Software*, 17(1):46–54, March 1991. CODEN ACM-SCU. ISSN 0098-3500 (print), 1557-7295 (electronic). URL <http://www.acm.org/pubs/toc/Abstracts/0098-3500/103153.html>. Preprint in [81].

[org/pubs/toc/Abstracts/0098-3500/103153.html](http://www.acm.org/pubs/toc/Abstracts/0098-3500/103153.html). Preprint in [81].

**Cody:1991:UTS**

- [95] W. J. Cody, Jr. and L. Stoltz. The use of Taylor series to test accuracy of function programs. *ACM Transactions on Mathematical Software*, 17(1):55–63, March 1991. CODEN ACM-SCU. ISSN 0098-3500 (print), 1557-7295 (electronic). URL <http://www.acm.org/pubs/toc/Abstracts/0098-3500/103154.html>.

**Cody:1993:ACP**

- [96] W. J. Cody. Algorithm 714: CELEFUNT: A portable test package for complex elementary functions. *ACM Transactions on Mathematical Software*, 19(1):1–21, March 1993. CODEN ACM-SCU. ISSN 0098-3500 (print), 1557-7295 (electronic). URL <http://www.acm.org/pubs/toc/Abstracts/0098-3500/151272.html>.

**Cody:1993:AFS**

- [97] W. J. Cody and J. T. Coonen. Algorithm 722: Functions to support the IEEE standard for binary floating-point arithmetic. *ACM Transactions on Mathematical Software*, 19(4):443–451, December 1993. CODEN ACM-SCU. ISSN 0098-3500 (print), 1557-7295 (electronic). URL <http://www.acm.org/pubs/toc/Abstracts/0098-3500/168185.html>.

**Cody:1993:ASP**

- [98] W. J. Cody, Jr. Algorithm 715: SPEC-FUN: A portable FORTRAN package of special function routines and test drivers. *ACM Transactions on Mathematical Software*, 19(1):22–32, March 1993. CODEN ACM-SCU. ISSN 0098-3500 (print), 1557-7295 (electronic).

URL <http://www.acm.org/pubs/toc/Abstracts/0098-3500/151273.html>.

**AFIPS:1967:ACP**

- [99] *1967 Spring Joint Computer Conference, April 18–20, Atlantic City, NJ*, volume 30 of *AFIPS conference proceedings*. Thompson Book Co., Washington, DC, USA, 1967. LCCN TK7885.A1 J6 1967.

**AFIPS:1969:ACP<sub>a</sub>**

- [100] *1967 Spring Joint Computer Conference, May 14–16, 1969, Boston, MA*, volume 34 of *AFIPS conference proceedings*. AFIPS Press, Montvale, NJ, USA, 1969. LCCN TK7885.A1 J6 1969.

**AFIPS:1969:ACP<sub>b</sub>**

- [101] *1969 Fall Joint Computer Conference, November 18–20, 1969, Las Vegas, Nevada*, volume 35 of *AFIPS conference proceedings*. AFIPS Press, Montvale, NJ, USA, 1969. LCCN TK7885.A1 J6 1969.

**Rice:1971:MS**

- [102] John R. Rice. *Mathematical Software*. Academic Press, New York, NY, USA, 1971. ISBN 0-12-587250-X. xvii + 515 pp. LCCN QA1 .M26.

**ACM:1972:PAA**

- [103] *Proceedings of the ACM Annual Conference, August 1972, Boston*. ACM Press, New York, NY 10036, USA, 1972. LCCN TK 7885 A84p 1972. Two volumes.

**Hetzel:1973:PCP**

- [104] William C. Hetzel, editor. *Program test methods: Proceedings of the Computer Program Test Methods Symposium held at the University of North Carolina,*

*Chapel Hill, June 21–23, 1972*. Prentice-Hall, Englewood Cliffs, NJ 07632, USA, 1973. ISBN 0-13-729624-X. LCCN QA76.P69.

**Evans:1974:SNM**

- [105] D. J. Evans, editor. *Software for Numerical Mathematics: Proceedings of the Loughborough University of Technology Conference of the Institute of Mathematics and Its Applications held in April 1973*. Academic Press, New York, NY, USA, 1974. ISBN 0-12-243750-0. LCCN QA297 .S591.

**Watson:1975:NAD**

- [106] George A. Watson, editor. *Numerical Analysis: Proceedings of the Dundee Conference on Numerical Analysis, July 1–4, 1975*, volume 506 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1975. ISBN 0-387-07620-7 (??invalid ISBN??). ISSN 0720-258X, 0269-3674. LCCN QA3 .L35 v.506.

**Ralston:1976:ECS**

- [107] Anthony Ralston and Chester L. Meek, editors. *Encyclopedia of Computer Science*. Petrocelli/Charter, New York, NY, USA, 1976. ISBN 0-88405-321-0. xxviii + 1523 pp. LCCN QA76.15 .E56 1976. US\$60.00.

**Anonymous:1976:PIS**

- [108] David C. Hoaglin and Roy E. Welsch, editors. *Proceedings of the Ninth Interface Symposium on Computer Science and Statistics, Harvard University, Massachusetts Institute of Technology, April 1–2, 1976*. Prindle, Weber and Schmidt, Boston, MA, USA, 1976. ISBN 0-87150-237-2. LCCN QA 276 A1 I53 1976.

**Cowell:1977:PMS**

- [109] Wayne Cowell, editor. *Portability of Numerical Software Workshop, Oak Brook, Illinois, June 21–23, 1976*, volume 57 of *Lecture Notes in Computer Science*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1977. ISBN 0-387-08446-0. LCCN QA297 .W65 1976.

**IEEE:1977:PAR**

- [110] *Proceedings, 1st Annual Rocky Mountain Symposium on Microcomputers: Systems, Software, Architecture: August 31–September 2, 1977, Fort Collins, Colorado*. IEEE Computer Society Press, 1109 Spring Street, Suite 300, Silver Spring, MD 20910, USA, 1977. LCCN QA76.5 .R535 1977a.

**IEEE:1980:PCS**

- [111] *COMPCON (20th: 1980: San Francisco, CA) VLSI, New Architectural Horizons: COMPCON, Spring 80, Jack Tar Hotel, San Francisco, California, February 25–28, 1980: Digest of Papers*. IEEE Computer Society Press, 1109 Spring Street, Suite 300, Silver Spring, MD 20910, USA, 1980. LCCN TK7885.A1 C53 1980.

**Messina:1982:PMM**

- [112] P. C. Messina and A. Murli, editors. *Problems and Methodologies in Mathematical Software Production: International Seminar held at Sorrento, Italy, November 3–8, 1980*, volume 142 of *Lecture Notes in Computer Science*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1982. ISBN 0-387-11603-6 (New York), 3-540-11603-6 (Berlin). LCCN QA76.95 .P76 1982.

**Mulvey:1982:EMP**

- [113] J. M. Mulvey, editor. *Evaluating Mathematical Programming Techniques: Proceedings of a Conference Held at the National Bureau of Standards, Boulder, Colorado, January 5–6, 1981*, volume 199 of *Lecture Notes in Economics and Mathematical Systems*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1982. ISBN 0-387-11495-5. LCCN QA402.5 .E94 1982.

**Reid:1982:RBN**

- [114] J. K. Reid, editor. *The Relationship Between Numerical Computation and Programming Languages: Proceedings of the IFIP TC2 Working Conference on the Relationship between Numerical Computation and Programming Languages, Boulder, Colorado, USA., 3–7 August, 1981*. Elsevier North-Holland, Inc., New York, NY, USA, 1982. ISBN 0-444-86377-X. LCCN QA297 .I34 1981.

**Gentle:1983:CSS**

- [115] James E. Gentle, editor. *Computer Science and Statistics: Proceedings of the Fifteenth Symposium on the Interface, Houston, Texas, March 1983*. North-Holland, Amsterdam, The Netherlands, 1983. ISBN 0-444-86688-4. LCCN QA276.4 .S95 1983.

**Cowell:1984:SDM**

- [116] Wayne R. Cowell, editor. *Sources and Development of Mathematical Software*. Prentice-Hall series in computational mathematics. Prentice-Hall, Englewood Cliffs, NJ 07632, USA, 1984. ISBN 0-13-823501-5. xii + 404 pp. LCCN QA76.95 .S68 1984. US\$32.50.

**Dongarra:1984:IPS**

- [117] Jack Dongarra, Gene Golub, Jorge Moré, and Danny Sorensen, editors. *Informal proceedings of the Symposium on Computational Mathematics — State of the Art: held at Argonne National Laboratory, September 20–21, 1984, in honor of James H. Wilkinson*. Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439-4801, USA, December 1984. LCCN QA297.S879 1984. Technical Report MCS-TM-42. It consists of copies of lecture slides from the ten symposium talks.

**Wouk:1987:NCE**

- [118] Arthur Wouk, editor. *New Computing Environments: Microcomputers in Large-Scale Computing*. Society for Industrial and Applied Mathematics, Philadelphia, PA, USA, 1987. ISBN 0-89871-210-6. x + 166 pp. LCCN QA76.5 .W66 1985.

**Moore:1988:RCR**

- [119] Ramon E. Moore, editor. *Reliability in Computing: The Role of Interval Methods in Scientific Computing*, volume 19 of *Perspectives in Computing*. Academic Press, New York, NY, USA, 1988. ISBN 0-12-505630-3. xv + 428 pp. LCCN QA76.9.E94 R451 1988.

**Swartzlander:1990:CAB**

- [120] Earl E. Swartzlander, Jr. *Computer Arithmetic*, volume 2 of *IEEE Computer Society Press tutorial*. IEEE Computer Society Press, 1109 Spring Street, Suite 300, Silver Spring, MD 20910, USA, 1990. ISBN 0-8186-8945-5. ix + 396 pp. LCCN QA76.9 .C62C66 1990.

**Kornerup:1991:PIS**

- [121] Peter Kornerup and David W. Matula, editors. *Proceedings: 10th IEEE Symposium on Computer Arithmetic: June 26–28, 1991, Grenoble, France*. IEEE Computer Society Press, 1109 Spring Street, Suite 300, Silver Spring, MD 20910, USA, 1991. ISBN 0-8186-9151-4 (case), 0-8186-6151-8 (microfiche), 0-7803-0187-0 (library binding). LCCN QA76.9.C62 S95 1991. IEEE catalog no. 91CH3015-5.