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Bibliography

- [AP98] Uri M. Ascher and Linda R. Petzold, *Computer Methods for Ordinary Differential Equations and Differential-Algebraic Equations*. Society for Industrial and Applied Mathematics, 1998, ISBN 0898714128.
- [AS00] Noga Alon and Joel H. Spencer, *The Probabilistic Method*. Wiley-Interscience, 2000, ISBN 0471370460.
- [Bea09] Bernard Beauzamy, *Robust mathematical methods for extremely rare events*. On-line, 2009. http://www.scmsa.eu/RMM/BB_rare_events_2009_08.pdf, 20 pages.
- [BZ10] Richard P. Brent and Paul Zimmermann, *Modern Computer Arithmetic*. Cambridge University Press, 2010, ISBN 0521194693. <http://www.loria.fr/~zimmerma/mca/pub226.html>.
- [CLO07] David Cox, John Little, and Donal O'Shea, *Ideals, Varieties, and Algorithms*. Undergraduate Texts in Mathematics. Springer-Verlag, 3rd edition, 2007, ISBN 0387946802.
- [Coh93] Henri Cohen, *A Course in Computational Algebraic Number Theory*. Number 138 in *Graduate Texts in Mathematics*. Springer-Verlag, 1993, ISBN 3540556400.
- [CP01] Richard Crandall and Carl Pomerance, *Prime Numbers: A Computational Perspective*. Springer-Verlag, 2001, ISBN 0387947779.
- [Edm65] Jack Edmonds, *Paths, trees, and flowers*. Canadian Journal of Mathematics, 17(3):449–467, 1965.

- [FS09] Philippe Flajolet and Robert Sedgewick, *Analytic Combinatorics*. Cambridge University Press, 2009, ISBN 0521898065.
- [Gol91] David Goldberg, *What every computer scientist should know about floating point arithmetic*. ACM Computing Surveys, 23(1):5–48, 1991.
- [GVL12] Gene H. Golub and Charles F. Van Loan, *Matrix computations*, volume 3. JHU Press, 2012.
- [Hig93] Nicholas J. Higham, *The accuracy of floating point summation*. SIAM Journal on Scientific Computing, 14(4):783–799, 1993, ISSN 1064-8275.
- [HLW02] Ernst Hairer, Christian Lubich, and Gerhard Wanner, *Geometric Numerical Integration*. Springer-Verlag, 2002, ISBN 3662050200.
- [HT04] Florent Hivert and Nicolas M. Thiéry, *MuPAD-Combinat, an open-source package for research in algebraic combinatorics*. Séminaire lotharingien de combinatoire, 51:B51z, 2004. <http://www.mat.univie.ac.at/~slc/wpapers/s51thiery.html>.
- [Joh13] F. Johansson, *Arb: a C library for ball arithmetic*. ACM Communications in Computer Algebra, 47(4):166–169, 2013.
- [Mat03] Jiří Matoušek, *Using the Borsuk-Ulam Theorem: Lectures on Topological Methods in Combinatorics and Geometry*. Springer-Verlag, 2003, ISBN 3540003625.
- [MBdD⁺10] Jean Michel Muller, Nicolas Brisebarre, Florent de Dinechin, Claude Pierre Jeannerod, Vincent Lefèvre, Guillaume Melquiond, Nathalie Revol, Damien Stehlé, and Serge Torres, *Handbook of floating-point arithmetic*. Birkhäuser, 2010, ISBN 0817647049.
- [Moo66] Ramon E Moore, *Interval analysis*, volume 4. Prentice-Hall Englewood Cliffs, 1966.
- [Mor05] Masatake Mori, *Discovery of the double exponential transformation and its developments*. Publications of the Research Institute for Mathematical Sciences, 41:897–935, 2005.
- [NO] Sampo Niskanen and Patric R. J. Östergård, *Cliquer — routines for clique searching*. <http://users.tkk.fi/pat/cliquer.html>.
- [PWZ96] Marko Petkovšek, Herbert S. Wilf, and Doron Zeilberger, *A = B*. A K Peters Ltd., 1996, ISBN 1568810636.
- [RR05] Nathalie Revol and Fabrice Rouillier, *Motivations for an arbitrary precision interval arithmetic and the mpfi library*. Reliable computing, 11(4):275–290, 2005.

-
- [Sch02] M. Schatzman, *Numerical Analysis: A Mathematical Introduction*. Clarendon Press, 2002, ISBN 9780198508526. <https://books.google.fr/books?id=3SuNiR1hzzUC>.
- [Sto00] Arne Storjohann, *Algorithms for Matrix Canonical Forms*. PhD thesis, Institut für Wissenschaftliches Rechnen, ETH-Zentrum, Zürich, Switzerland, November 2000.
- [TBI97] Lloyd N. Trefethen and David Bau III, *Numerical linear algebra*, volume 50. SIAM, 1997.
- [TMF00] Gérard Tenenbaum and Michel Mendès France, *Les nombres premiers*. Que sais-je ? P.U.F., 2000, ISBN 2130483992.
- [TSM05] Ken'ichiro Tanaka, Masaaki Sugihara, and Kazuo Murota, *Numerical indefinite integration by double exponential sinc method*. *Mathematics of Computation*, 74(250):655–679, 2005.
- [Tuc11] Warwick Tucker, *Validated numerics: a short introduction to rigorous computations*. Princeton University Press, 2011.
- [vzGG03] Joachim von zur Gathen and Jürgen Gerhard, *Modern Computer Algebra*. Cambridge University Press, 2nd edition, 2003, ISBN 0521826462. <http://www-math.uni-paderborn.de/mca>.
- [Zei96] Doron Zeilberger, *Proof of the alternating sign matrix conjecture*. *Electronic Journal of Combinatorics*, 3(2), 1996.

