1. Record Nr.   UNISA996207121903316
   Titolo   Rapport de gestion
   Pubbl/distr/stampa Charlesbourg, : Forêt Québec, c1999-

   Descrizione fisica 1 online resource
   Classificazione   cci1icc

   Disciplina   354.5/5/0971405
   Soggetti   Forêt domaniale
                       Gestion
                       Politique gouvernementale
                       Forest policy
                       Publications officielles.
                       Québec (Province)

   Lingua di pubblicazione   Francese
   Formato   Materiale a stampa
   Livello bibliografico   Periodico

2. Record Nr.	UNINA9910254833003321
Autore	Beebe Nelson H. F.
Titolo	The Mathematical-Function Computation Handbook : Programming Using the MathCW Portable Software Library / / by Nelson H.F. Beebe
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-64110-7
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (1,115 pages) : illustrations (some color), graphs, tables
Disciplina	004.0151
Soggetti	Computer science—Mathematics
	Applied mathematics
	Engineering mathematics
	Physics
	Cheminformatics
	Numerical analysis
	Mathematics of Computing
	Mathematical and Computational Engineering
	Numerical and Computational Physics, Simulation
	Computer Applications in Chemistry
	Numerical Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Iterative Solutions and Other Tools -- Polynomial Approximations -- Implementation Issues -- The Floating-Point Environment -- Converting Floating-Point Values to Integers -- Random Numbers -- Roots -- Argument Reduction -- Exponential and Logarithm -- Trigonometric Functions -- Hyperbolic Functions -- Pair-Precision Arithmetic -- Power Function -- Complex Arithmetic Primitives -- Quadratic Equations -- Elementary Functions in Complex Arithmetic -- The Greek Functions: Gamma, Psi, and Zeta -- Error and Probability Functions -- Elliptic Integral Functions -- Bessel Functions -- Testing the Library -- Pair-Precision Elementary Functions -- Accuracy of the Cody/Waite Algorithms -- Improving Upon the

Cody/Waite Algorithms -- Floating-Point Output -- Floating-Point Input -- Appendix A: Ada Interface -- Appendix B: C# Interface -- Appendix C: C++ Interface -- Appendix D: Decimal Arithmetic -- Appendix E: Errata in the Cody/Waite Book -- Appendix F: Fortran Interface -- Appendix H: Historical Floating-Point Architectures -- Appendix I: Integer Arithmetic -- Appendix J: Java Interface -- Appendix L: Letter Notation -- Appendix P: Pascal Interface.

Sommario/riassunto	All major computer programming languages—as well as the disciplines of science and engineering more broadly—require computation of elementary and special functions of mathematics. The MathCW Software Library emphasizes portability, precisely because the code needs to capable of use on a wide variety of platforms. This highly comprehensive handbook provides a substantial advance in such computation, extending the function coverage of major programming languages well beyond their international standards, including full support for decimal floating-point arithmetic. Written with clarity and focusing on the C language, the work pays extensive attention to little-understood aspects of floating-point and integer arithmetic, and to software portability, as well as to important historical architectures. It extends support to a future 256-bit, floating-point format offering 70 decimal digits of precision. Select Topics and Features: references an exceptionally useful, author-maintained MathCW website, containing source code for the book's software, compiled libraries for numerous systems, pre-built C compilers, and other related materials offers a unique approach to covering mathematical-function computation using decimal arithmetic provides extremely versatile appendices for interfaces to numerous other languages: Ada, C#, C++, Fortran, Java, and Pascal presupposes only basic familiarity with computer programming in a common language, as well as early level algebra supplies a library that readily adapts for existing scripting languages, with minimal effort supports both binary and decimal arithmetic, in up to 10 different floating-point formats covers a significant portion (with highly accurate implementations) of the U.S National Institute of Standards and Technology's 10-year project to codify mathematical functions This highly practical text/reference is an invaluable tool for advanced undergraduates, recording many lessons of the intermingled history of computer hardware and software, numerical algorithms, and mathematics. In addition, professional numerical analysts and others will find the handbook of real interest and utility because it builds on research by the mathematical software community over the last four decades.