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The author employs a contemporary version of BASIC, Microsoft QuickBasic 4.5, which roughly follows the structure of FORTRAN; in fact, the recipes found in this book are easily adapted for other modern forms of BASIC. This book is recommended for use with one of the main Numerical Recipes books, such as Numerical Recipes in Fortran 77 [link to 43064X]. The programs contained in this book are also available as machine-readable code on the Numerical Recipes Code CD-ROM with Windows/Macintosh Single Screen License [link to 576083]. Numerical Recipes Routines and Examples in BASIC ; Companion Manual to 'Numerical Recipes: the Art of Scientific Computing' Numerical Recipes Example Book (C++) The Art of Scientific Computing Cambridge University Press Contains C++ source programs that exercise and demonstrate all of the subroutines, procedures, and functions in Numerical Recipes in C++. 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The book covers the basics and then proceeds to more sophisticated programs using a disk (enclosed with the book) containing pretested procedures for important operations such as Graphing (screen, printers, plotters) Data entry/edit/save/retrieve File management Linear regression Nonlinear regression Cubic spline interpolation Romberg integration Differential equations Fourier transform. With these routines, you get many of the advantages of a spreadsheet, but with a simpler, more powerful programming language. QuickBASIC Programming for Scientists and Engineers shows you what these routines do and how to use them effectively. Because the book provides the source code, you can even customize these routines to suit your specific needs. The modules disk runs on any IBM© or compatible microcomputer with a graphics board, 640K RAM, DOS 3.0 or higher, and a copy of Microsoft QuickBASIC (version 4.0 or higher). The book is perfect for any scientist or engineering professional who needs to learn QuickBASIC programming quickly and easily. Numerical Recipes Code CD-ROM with UNIX Single Screen License CD-ROM Includes Source Code for Numerical Recipes in C, Fortran 77, Fortran 90, Pascal, BASIC, Lisp and Modula 2 plus many extras Cambridge University Press The Numerical Recipes Code CD -ROM contains, in a single omnibus edition, all the source code for the routines and examples from: Numerical Recipes in Fortran 77: The Art of Scientific Computing (Second Edition), Numerical Recipes in Fortran 90: The Art of Parallel Scientific Computing, Numerical Recipes in C: The Art of Scientific Computing (Second Edition), both ANSI and K&R C, Numerical Recipes in Pascal: The Art of Scientific Computing,and Numerical Recipes Routines and Examples in BASIC. The ISO 9660 standard format CD-ROM includes HTML files that allow the use of any Web browser to navigate among all the program files. 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Detailed descriptions and sample applications of standard and specialized uses of least squares for fitting data to a variety of functions, including resolving multi-component spectra; standard processes such as calibration curves and extrapolation; custom macros for general "error" propagation, standard deviations of Solver results, weighted or equidistant least squares, Gram-Schmidt orthogonalization, Fourier transformation, convolution and deconvolution, time-frequency analysis, and data mapping. There are also worked examples showing how to use centering, the covariance matrix, imprecision contours, and Wiener filtering and custom functions for bisections, Lagrange interpolation, Euler and Runge-Kutta integration. 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Highlights of the new material include: -A new chapter on integral equations and inverse methods -Multigrid and other methods for solving partial differential equations -Improved random number routines - Wavelet transforms -The statistical bootstrap method -A new chapter on "less-numerical" algorithms including compression coding and arbitrary precision arithmetic. The book retains the informal easy-to-read style that made the first edition so popular, while introducing some more advanced topics. It is an ideal textbook for scientists and engineers and an indispensable reference for anyone who works in scientific computing. The Second Edition is availabe in FORTRAN, the traditional language for numerical calculations and in the increasingly popular C language. 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The revised example diskette contains the machine-readable source code for the programs found in the revised example book. (It only contains the programs; it does not contain any text found in the book.) N.B. The diskette that accompanies the revised example book replaces the extant Numerical Recipes Example Diskette (Pascal). The revised diskette is only compatible with the programs listed in the revised example book. Engineering Education Data Link Numerical Recipes in FORTRAN 77: Volume 1, Volume 1 of Fortran Numerical Recipes The Art of Scientific Computing Cambridge University Press This is the greatly revised and greatly expanded Second Edition of the hugely popular Numerical Recipes: The Art of Scientific Computing. The product of a unique collaboration among four leading scientists in academic research and industry Numerical Recipes is a complete text and reference book on scientific computing. 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After reading this book, students will know what statements to use and where as well as why to avoid the others, helping them become expert FORTRAN programmers. Journal of Applied Mechanics Numerical Recipes in FORTRAN 77: Volume 1, Volume 1 of Fortran Numerical Recipes The Art of Scientific Computing Cambridge University Press This is the greatly revised and greatly expanded Second Edition of the hugely popular Numerical Recipes: The Art of Scientific Computing. The product of a unique collaboration among four leading scientists in academic research and industry Numerical Recipes is a complete text and reference book on scientific computing. In a self-contained manner it proceeds from mathematical and theoretical considerations to actual practical computer routines. With over 100 new routines bringing the

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Using cartoons, puzzles, and quotations to enliven his text, Rucker guides us through such topics as the paradoxes of set theory, the possibilities of physical infinities, and the results of Gödel's incompleteness theorems. His personal encounters with Gödel the mathematician and philosopher provide a rare glimpse at genius and reveal what very few mathematicians have dared to admit: the transcendent implications of Platonic realism. Access American Scientist International Mathematical News Nouvelles Mathématiques Internationales; Internationale Mathematische Nachrichten Issues for Dec. 1952- include section: Nachrichten der Österreichischen Mathematischen Gesellschaft. Numerical Recipes Example Book (Pascal) Cambridge University Press Designed to accompany Numerical Recipes in Pascal the example book provides listings of demonstration programs (source code) that illustrate the use of each Pascal procedure found in the main book. This book will be a valuable aid to users wishing to incorporate Pascal programs into their own applications programs and to conduct simple validation tests. The programs found in this book are different from the original example book in Pascal (which will be phased out). Furthermore, they are not compatible with the Pascal programs found in the appendix of the original (FORTRAN) version of Numerical Recipes. The Pascal appendix is being dropped from the FORTRAN book with the publication of Numerical Recipes in Pascal. The revised example diskette contains the machine-readable source code for the programs found in the revised example book. (It only contains the programs; it does not contain any text found in the book.) N.B. The diskette that accompanies the revised example book replaces the extant Numerical Recipes Example Diskette (Pascal). The revised diskette is only compatible with the programs listed in the revised example book. 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