[PDF] Numerical Recipes 3rd Edition: The Art Of Scientific Computing

William H. Press, Saul A. Teukolsky, William T. Vetterling, Brian P. Flannery - pdf download free book



Books Details:

Title: Numerical Recipes 3rd Edition Author: William H. Press, Saul A. Te Released:

Language: Pages: 1256 ISBN: 0521880688 ISBN13: 9780521880688 ASIN: 0521880688

CLICK HERE FOR DOWNLOAD

pdf, mobi, epub, azw, kindle

Description:

Co-authored by four leading scientists from academia and industry, Numerical Recipes Third Edition starts with basic mathematics and computer science and proceeds to complete, working routines. Widely recognized as the most comprehensive, accessible and practical basis for scientific computing, this new edition incorporates more than 400 Numerical Recipes routines, many of them

new or upgraded. The executable C++ code, now printed in color for easy reading, adopts an object-oriented style particularly suited to scientific applications. The whole book is presented in the informal, easy-to-read style that made earlier editions so popular. Please visit www.nr.com or www.cambridge.org/us/numericalrecipes for more details. More information concerning licenses is available at: www.nr.com/licenses New key features:

- 2 new chapters, 25 new sections, 25% longer than Second Edition
- Thorough upgrades throughout the text
- Over 100 completely new routines and upgrades of many more.
- New Classification and Inference chapter, including Gaussian mixture models, HMMs, hierarchical clustering, Support Vector Machines
- New Computational Geometry chapter covers KD trees, quad- and octrees, Delaunay triangulation, and algorithms for lines, polygons, triangles, and spheres
- New sections include interior point methods for linear programming, Monte Carlo Markov Chains, spectral and pseudospectral methods for PDEs, and many new statistical distributions
- An expanded treatment of ODEs with completely new routines

Plus comprehensive coverage of

 linear algebra, interpolation, special functions, random numbers, nonlinear sets of equations, optimization, eigensystems, Fourier methods and wavelets, statistical tests, ODEs and PDEs, integral equations, and inverse theory

• Title: Numerical Recipes 3rd Edition: The Art of Scientific Computing

• Author: William H. Press, Saul A. Teukolsky, William T. Vetterling, Brian P. Flannery

• Released:

Language:Pages: 1256

• ISBN: 0521880688

• ISBN13: 9780521880688

• ASIN: 0521880688