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Mantissa 1st Edition

Zhe Xu

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Numerical Recipes in Pascal (First Edition) William H. Press, 1989-10-27 Numerical Recipes The Art of Scientific Computing was first published in 1986 and became an instant classic among scientists engineers and social scientists In this book the original time tested programs have been completely reworked into a clear consistent Pascal style This represents a significant improvement to the immensely successful programs contained in the first edition which were originally written in Fortran The authors make extensive use of pointers dynamic memory allocation and other features utilized by this language The explanatory text accompanying the programs replicates the lucid and easy to read prose found in the original version and incorporates corrections improvements and explanations of special Pascal features. The product of a unique collaboration among four leading scientists in academic research and industry Numerical Recipes in Pascal fills a long recognized need for a practical comprehensive handbook of scientific computing in the Pascal language The book is designed both for the Pascal programmer who wants exposure to the techniques of scientific computing and for the working scientist social scientist and engineer The scope of the book ranges from standard areas of numerical analysis linear algebra differential equations roots through subjects useful to signal processing Fourier methods filtering data analysis least squares robust fitting statistical functions simulation random deviates and Monte Carlo and more The lively informal text combined with an underlying degree of mathematical sophistication makes the book useful to a wide range of readers beginning at the advanced undergraduate level An Elementary Course of Mathematics, etc. (Appendix to the first edition.) Harvey GOODWIN (Bishop of Carlisle.),1853 An Elementary Course of Mathematics, etc. (Appendix to the first edition.). Harvey Veitch's Manual of the Coniferae Adolphus H. Kent, James Veitch & Sons, 1900 Goodwin, 1846 The North American Species of Pennisetum Agnes Chase, Albert Spear Hitchcock, Charles Vancouver Piper, Emery Clarence Leonard, Paul Carpenter Standley, Sidney Fay Blake, 1920 Principles of Computer Hardware Alan Clements, 2006-02-09 The fourth edition of this work provides a readable tutorial based introduction to the subject of computer hardware for undergraduate computer scientists and engineers and includes a companion website to give lecturers additional notes

Math for Programming Ronald T. Kneusel,2025-04-22 A one stop shop for all the math you should have learned for your programming career Every great programming challenge has mathematical principles at its heart Whether you re optimizing search algorithms building physics engines for games or training neural networks success depends on your grasp of core mathematical concepts In Math for Programming you ll master the essential mathematics that will take you from basic coding to serious software development You ll discover how vectors and matrices give you the power to handle complex data how calculus drives optimization and machine learning and how graph theory leads to advanced search algorithms Through clear explanations and practical examples you ll learn to Harness linear algebra to manipulate data with unprecedented efficiency Apply calculus concepts to optimize algorithms and drive simulations Use probability and statistics

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