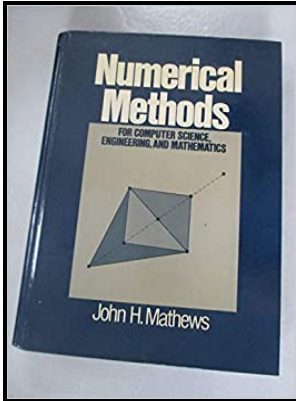


Numerical methods for computer science, engineering and mathematics

Prentice-Hall - Journal Rankings on Numerical Analysis



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That's all free as well! On more than 600 pages, the book provides an ample material in different fields of numerical analysis such as the solution of nonlinear equations and linear systems of equations, interpolation and polynomial approximation, curve fitting, numerical differentiation, numerical integration, numerical optimization, solution of ordinary and partial differential equations, and calculation of eigenvalues as well as eigenvectors. Computer calculations given in the form of tables and graphs, and many examples as well as figures improve the readability of the text. What every computer scientist should know about floating-point arithmetic.

Introduction to Numerical Methods

Numerous exercises and the computer-oriented presentation of numerical methods are special features of this book. Research and expository papers devoted to the numerical solution of mathematical equations arising in all areas of science and technology are expected.

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Exercises use MATLAB and promote understanding of computational results. Whether your application is business, how-to, education, medicine, school, church, sales, marketing, online training or just for fun, PowerShow. Floating-point arithmetic, and the IEEE requirements.

Introduction to Numerical Methods

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These are complemented by a series of exercises, designed to be performed with Matlab, useful to appreciate the behavior of the methods studied.

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