NUMERICAL ANALYSIS (3rd Edition)

By Burden, Richard L.; Faires, J. Douglas

Prindle, Weber & Schmidt, Boston, MA, 1985. Hard Cover. Book Condition: New. Dust Jacket Condition: None as Issued. 3rd Edition, 5th Printing. BRAND NEW Copy. Illustrated boards/Fine. DJ/None as Issued. Textbook. Commonly used methods of the present, and those on which refinements will likely be based in the future, for approximating the solutions to mathematically expressed problems via algorithms. Written primarily junior-level science and engineering student, the book presumes first year college calculus as well as programming languages such as BASIC, FORTRAN, or Pascal. Text in 12 chapters: Chapter 1, Mathematical Preliminaries; 2, Solutions of Equation in One Variable; 3, Interpolation & Polynomial Approximation; 4, Numerical Differentiation & Integration; 5, Initial-value Problems for Ordinary Differential Equations; 6, Direct Methods for Solving Linear Systems; 7, Approximation Theory; 8, Iterative Techniques in Matrix Algebra; 9, Numerical Solutions of Nonlinear Systems of Equations; 10, Boundary-Value Problems for Ordinary Differential Equations; and, 11, Numerical Solutions to Partial-Differential Equations. Fine copy.

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