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paperback. Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Pages Number: 15474 Publisher: Tsinghua University Press Pub. Date :1999-08. calculated on the basis of science and engineering. the actual content is commonly used in scientific and engineering numerical methods and the theory of linear algebraic equations. including numerical solution. interpolation and fitting . numerical integration and numerical differentiation. numerical solution of ordinary differential equations. nonlinear equations (group) of the numerical solution method of calculation and optimization of the matrix eigenvalue problem of the numerical method. The chapter has applied numerical test examples and exercises. with the end of the book Introduction to Matlab language. In order to facilitate self-learning. numerical exercises with answers. The scientific and engineering computing-based focus on practical applications and computing capabilities. attention to the basic concepts and basic theory. but not the pursuit of theoretical integrity. The scientific and engineering computing base starting point is low. large span. from the review of higher mathematics and linear algebra. up to some modern algorithms. scope and depth have greater flexibility. Can be used as non-engineering graduate and Computational Mathematics. science and engineering majors. graduate students. Numerical Analysis course materials. but also for science and technology workers. Contents: Editor s Note iii Preface v Chapter 1 Introduction 11.1 course content. meaning and characteristics of the basic concepts of error 11.2 error and effective number 41.2.2 41.2.1 evaluate the function of the error estimates 51.2.3 that the computer and the number of homes into the error of numerical stability and pathological questions 71.3 81.3.1 81.3.2 stability of the algorithm math problem and pathological condition number 101.4 Algorithm 11 numerical test problems Problem 1 11 1 12 132.1 Chapter 2 Preliminaries and some basic concepts of calculus Fundamental Theorem 132.1.1...



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