Introduction to Pascal for Computational Mathematics. J. J. Ruddle. 1986-04-12 A textbook of problem-solving in mathematics using programs that are developed in Pascal. It preserves knowledge of computer programming is essential, although the mathematics will be appropriate for first-year students of mathematics, science or computing. Programs are written in English code, and most chapters have exercises.

Introduction to Numerical Computation in Pascal. D. W. Fink, T. G. Hall and G. A. Reis. 1989-06-19 This book is to cover the core material in numerical analysis normally taught to students at degree courses in computer science. The main emphasis is placed on the use of reaction and computational programming in producing well-designed, reliable mathematical software. The treatment should be of the same level as that of students of mathematics, science and engineering, who wish to learn to write good programs. The emphasis is on mathematical software which is reliable and efficient. The text will show how the mathematical ideas are translated into actual computer programs. All the programs are written in Pascal and some are developed in Pascal.

Introduction to Pascal for Students (including Turbo Pascal). E. J. Redfern. 1987-12-18 The third edition of this best-selling text has been revised to present a more problem-oriented approach to teaching Pascal. It will also introduce the student to computer science. The text contains many programs designed for use using Turbo Pascal, and also includes new exercises. Although Pascal has some drawbacks for serious numerical work (for example, only one precision), it is well-suited to writing numerical software. The treatment should be of interest also to students of science and engineering who wish to learn to write programs. A text for students and professionals; exercises are included.

Introduction to Computational Science and Mathematics. M. R. S. Kumar. 1989-01-24 This text is a guide to the construction of accurate numerical solutions and more. The final section of each project contains the solutions to proposed exercises and guides the reader in using the MATLAB scripts available online.

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Complex Variables and Mathematics. C. C. MacCluer. 1989-04-26 This text is a guide to the construction of accurate numerical solutions and more. The final section of each project contains the solutions to proposed exercises and guides the reader in using the MATLAB scripts available online.


Computer Book Review. 1989-04-26 One Pascal Programming. Claude Sierminski. 1989-04-26 A reference manual intended for readers who wish to acquire skill in using the Turbo PASCAL language. The text contains many programs designed for use using Turbo Pascal, and also includes new exercises. Although Pascal has some drawbacks for serious numerical work (for example, only one precision), it is well-suited to writing numerical software. The treatment should be of interest also to students of science and engineering who wish to learn to write programs. A text for students and professionals; exercises are included.

Mathematical Foundation for Computing. P. McEuen. 1989-04-26 This text gives a description of the fundamental mathematical concepts used by computer scientists, while also showing how they are used to solve calculation. It provides an overview of all the major results, and all the algorithms presented are developed carefully and their performance analyzed. Throughout, the aim is to provide a well-balanced treatment of both the discrete and continuous mathematics that should be studied by senior students of computer science. The text should therefore be well suited to those undergraduate programs that just the emphasis on these areas as programming language semantics, program correctness, and algorithm analysis and design.


Turbo Pascal Programming. Claude Sierminski. 1989-04-26 A reference manual intended for readers who wish to acquire skill in using the Turbo PASCAL language. The text contains many programs designed for use using Turbo Pascal, and also includes new exercises. Although Pascal has some drawbacks for serious numerical work (for example, only one precision), it is well-suited to writing numerical software. The treatment should be of interest also to students of science and engineering who wish to learn to write programs. A text for students and professionals; exercises are included.