



Inside Your Calculator: From Simple Programs to Significant Insights

By Gerald R. Rising

John Wiley and Sons Ltd, United States, 2007. Paperback. Book Condition: New. 234 x 155 mm. Language: English . Brand New Book. Uncover the mysteries that lie within your calculator This remarkable book explores the simple internal calculator processes-algorithms and programs-that tell us, for example, that the cosine of 56° is 0.5591929035. Using carefully constructed diagrams and figures, the author effectively demonstrates how calculator keys compute powers, roots, logarithms, and trigonometry functions, while also providing insights into simple programming, the conversion between decimal and binary numeration, and perhaps most importantly, the structure of our numeration systems. Many people believe that the processes that drive calculators demand advanced mathematical concepts; however, this book proves that a minimal understanding of algebra and geometry is all that is needed to follow the step-by-step explanations of how scientific calculators work. Inside Your Calculator: From Simple Programs to Significant Insights is a complete and multifaceted exercise in critical thinking. This book features: * A detailed explanation of how to use a graphics calculator and program basic functions* A discussion of the history of mathematics when appropriate, which provides a foundation for further learning* Fundamental mathematical lessons and interesting applications of pre-calculus mathematics* A thorough review of...



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Reviews

This book is definitely not straightforward to get started on studying but extremely exciting to read. It is really simplistic but shocks in the 50 percent of the ebook. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- Ally Reichel

This publication is amazing. It is definitely basic but shocks in the fifty percent of your publication. You won't feel monotony at anytime of your own time (that's what catalogues are for concerning if you question me).

-- Prof. Kirk Cruickshank DDS