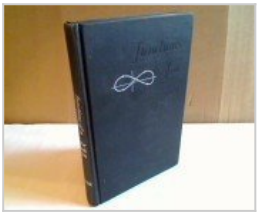

Functions of a Complex Variable: Theory and Technique

By George F. Carrier, Max Krook, Carl E. Pearson

Functions of a Complex Variable: Theory and Technique By George F. Carrier, Max Krook, Carl E. Pearson

Functions of a complex variable are used to solve applications in various branches of mathematics, science, and engineering. Functions of a Complex Variable: Theory and Technique is a book in a special category of influential classics because it is based on the authors' extensive experience in modeling complicated situations and providing analytic solutions. The book makes available to readers a comprehensive range of these analytical techniques based upon complex variable theory. Proficiency in these techniques requires practice. The authors provide many exercises, incorporating them into the body of the text. By completing a substantial number of these exercises, the reader will more fully benefit from this book. Based on graduate courses in applied mathematics, Functions of a Complex Variable: Theory and Technique is intended for applied mathematicians, scientists, engineers, and senior or graduate-level students who have advanced knowledge in calculus and are interested in such subjects as complex variable theory, function theory, mathematical methods, advanced engineering mathematics, and mathematical physics.

Functions of a Complex Variable: Theory and Technique

By George F. Carrier, Max Krook, Carl E. Pearson

Functions of a Complex Variable: Theory and Technique By George F. Carrier, Max Krook, Carl E. Pearson

Functions of a complex variable are used to solve applications in various branches of mathematics, science, and engineering. Functions of a Complex Variable: Theory and Technique is a book in a special category of influential classics because it is based on the authors' extensive experience in modeling complicated situations and providing analytic solutions. The book makes available to readers a comprehensive range of these analytical techniques based upon complex variable theory. Proficiency in these techniques requires practice. The authors provide many exercises, incorporating them into the body of the text. By completing a substantial number of these exercises, the reader will more fully benefit from this book. Based on graduate courses in applied mathematics, Functions of a Complex Variable: Theory and Technique is intended for applied mathematicians, scientists, engineers, and senior or graduate-level students who have advanced knowledge in calculus and are interested in such subjects as complex variable theory, function theory, mathematical methods, advanced engineering mathematics, and mathematical physics.

Functions of a Complex Variable: Theory and Technique By George F. Carrier, Max Krook, Carl E. Pearson Bibliography

- Sales Rank: #1962083 in Books
- Brand: McGraw Hill
- Published on: 1966-03
- Ingredients: Example Ingredients
- Original language: English
- Number of items: 1
- Binding: Hardcover
- 438 pages

Editorial Review

Review
'[This volume] is a classic textbook and reference on the subject of complex variables. It established a gold standard against which all other texts in applied mathematics should be judged ... As the authors intended, the theory part is concise and quickly leads the reader from an introduction to complex numbers to useful and powerful techniques, with applications to integral representation of special functions, transform and asymptotic methods in the complex plane, and integral equations, just to name a few. It is in the application of these techniques where the authors devoted most of the efforts. These were done masterfully. This book remains a relevant and must-read book for applied mathematicians today.' K. K. Tung, Professor and Chair of Applied Mathematics, University of Washington

'[This] is a book for those looking for applications of complex variables above and beyond what is found in standard elementary texts. I know of no single source where one finds such advanced topics as asymptotics, transforms, the Wiener-Hopf method, and dual and singular integral equations treated with such insight, thoroughness, and flair or where one finds such a rich, non-trivial collection of examples and exercises. Here is the power of complex variables as a practical tool on full display.' Jim Simmonds, Emeritus Professor of Civil Engineering, University of Virginia

About the Author
George F. Carrier (1918–2002) was one of the world’s preeminent applied mathematicians and the T. Jefferson Coolidge Professor of Applied Mathematics at Harvard University. He was honored for his scientific accomplishments by election to the National Academy of Sciences, the National Academy of Engineering, the American Academy of Arts and Sciences, and the American Philosophical Society. He was the author of numerous papers and books. Max Krook (1913–1985) was Gordon McKay Professor of Applied Mathematics and Professor of Astrophysics at Harvard University. He was widely recognized for his work on stellar and interstellar atmospheres and for his explanations of unusual phenomena in fluids and plasmas. He also was renowned for the invention of several simple models that have given scientists new insights into kinetic theory and statistical mechanics. Carl E. Pearson has a wide variety of experience in both the academic and the professional worlds. He has taught at Harvard, the Technical University of Denmark, and the University of Washington, and he has spent years in industry as well, including work at Arthur D. Little Inc., Sperry Rand Company, and Boeing Aerospace Company. Dr. Pearson is the author of several books, some of them classics in the field of applied mathematics.

Users Review

From reader reviews:

Margaret Wright:

Do you have favorite book? In case you have, what is your favorite's book? Publication is very important thing for us to know everything in the world. Each e-book has different aim or goal; it means that reserve has different type. Some people experience enjoy to spend their time to read a book. These are reading whatever they consider because their hobby will be reading a book. Think about the person who don't like studying a book? Sometime, man feel need book when they found difficult problem or maybe exercise. Well, probably you will want this Functions of a Complex Variable: Theory and Technique.

Leonel Burton:

Playing with family in a very park, coming to see the water world or hanging out with friends is thing that usually you will have done when you have spare time, after that why you don't try matter that really opposite from that. 1 activity that make you not sensation tired but still relaxing, trilling like on roller coaster you have been ride on and with addition of knowledge. Even you love Functions of a Complex Variable: Theory and Technique, you are able to enjoy both. It is great combination right, you still desire to miss it? What kind of hangout type is it? Oh occur its mind hangout fellas. What? Still don't get it, oh come on its identified as reading friends.

Danny Jarosz:

Do you really one of the book lovers? If yes, do you ever feeling doubt when you find yourself in the book store? Make an effort to pick one book that you never know the inside because don't determine book by its deal with may doesn't work the following is difficult job because you are afraid that the inside maybe not since fantastic as in the outside seem likes. Maybe you answer can be Functions of a Complex Variable: Theory and Technique why because the great cover that make you consider about the content will not disappoint you actually. The inside or content is fantastic as the outside or maybe cover. Your reading sixth sense will directly direct you to pick up this book.

Teresa Hanson:

Do you like reading a reserve? Confuse to looking for your best book? Or your book was rare? Why so many concern for the book? But any kind of people feel that they enjoy intended for reading. Some people likes looking at, not only science book but novel and Functions of a Complex Variable: Theory and Technique or others sources were given information for you. After you know how the fantastic a book, you feel desire to read more and more. Science guide was created for teacher or even students especially. Those publications are helping them to add their knowledge. In other case, beside science reserve, any other book likes Functions of a Complex Variable: Theory and Technique to make your spare time much more colorful. Many types of book like this.

Read Functions of a Complex Variable: Theory and Technique By George F. Carrier, Max Krook, Carl E. Pearson for online ebook

Functions of a Complex Variable: Theory and Technique By George F. Carrier, Max Krook, Carl E. Pearson Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Functions of a Complex Variable: Theory and Technique By George F. Carrier, Max Krook, Carl E. Pearson books to read online.

Online Functions of a Complex Variable: Theory and Technique By George F. Carrier, Max Krook, Carl E. Pearson ebook PDF download

Functions of a Complex Variable: Theory and Technique By George F. Carrier, Max Krook, Carl E. Pearson Doc

Functions of a Complex Variable: Theory and Technique By George F. Carrier, Max Krook, Carl E. Pearson Mobipocket

Functions of a Complex Variable: Theory and Technique By George F. Carrier, Max Krook, Carl E. Pearson EPub

EYH6PZ9SD4K: Functions of a Complex Variable: Theory and Technique By George F. Carrier, Max Krook, Carl E. Pearson