Functions of a Complex Variable: Theory and Technique (Classics in Applied Mathematics)

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

Functions of a Complex Variable: Theory and Technique (Classics in Applied Mathematics) 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 (Classics in Applied Mathematics)

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

Functions of a Complex Variable: Theory and Technique (Classics in Applied Mathematics) 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 (Classics in Applied Mathematics) By George F. Carrier, Max Krook, Carl E. Pearson Bibliography

- Rank: #732756 in Books
- Brand: Brand: Society for Industrial n Applied
- Published on: 2005-07-14
- Released on: 2005-07-14
- Original language: English
- Number of items: 1
- Dimensions: 8.98" h x .94" w x 5.98" l, 1.40 pounds
- Binding: Paperback
- 438 pages

⬇ **Download** Functions of a Complex Variable: Theory and Techni ...pdf

📄 **Read Online** Functions of a Complex Variable: Theory and Tech ...pdf

Download and Read Free Online Functions of a Complex Variable: Theory and Technique (Classics in Applied Mathematics) By George F. Carrier, Max Krook, Carl E. Pearson

---

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:

Sharon Bedgood:

This Functions of a Complex Variable: Theory and Technique (Classics in Applied Mathematics) are reliable for you who want to certainly be a successful person, why. The reason why of this Functions of a Complex Variable: Theory and Technique (Classics in Applied Mathematics) can be one of the great books you must have will be giving you more than just simple studying food but feed a person with information that possibly will shock your preceding knowledge. This book is usually handy, you can bring it all over the place and whenever your conditions throughout the e-book and printed kinds. Beside that this Functions of a Complex

Variable: Theory and Technique (Classics in Applied Mathematics) giving you an enormous of experience including rich vocabulary, giving you trial of critical thinking that we all know it useful in your day exercise. So , let's have it and enjoy reading.

Ruth Lynch:

The reason why? Because this Functions of a Complex Variable: Theory and Technique (Classics in Applied Mathematics) is an unordinary book that the inside of the publication waiting for you to snap it but latter it will shock you with the secret this inside. Reading this book next to it was fantastic author who write the book in such amazing way makes the content inside of easier to understand, entertaining method but still convey the meaning entirely. So , it is good for you because of not hesitating having this nowadays or you going to regret it. This excellent book will give you a lot of advantages than the other book include such as help improving your talent and your critical thinking way. So , still want to hold off having that book? If I were you I will go to the book store hurriedly.

Joe Lowe:

Can you one of the book lovers? If yes, do you ever feeling doubt when you are in the book store? Attempt to pick one book that you find out the inside because don't assess book by its deal with may doesn't work at this point is difficult job because you are afraid that the inside maybe not since fantastic as in the outside look likes. Maybe you answer may be Functions of a Complex Variable: Theory and Technique (Classics in Applied Mathematics) why because the excellent cover that make you consider in regards to the content will not disappoint anyone. The inside or content is fantastic as the outside or perhaps cover. Your reading sixth sense will directly guide you to pick up this book.

Scott Bush:

As a scholar exactly feel bored to be able to reading. If their teacher expected them to go to the library in order to make summary for some guide, they are complained. Just tiny students that has reading's soul or real their interest. They just do what the teacher want, like asked to go to the library. They go to right now there but nothing reading critically. Any students feel that examining is not important, boring and also can't see colorful photos on there. Yeah, it is for being complicated. Book is very important for you. As we know that on this period of time, many ways to get whatever we wish. Likewise word says, many ways to reach Chinese's country. Therefore this Functions of a Complex Variable: Theory and Technique (Classics in Applied Mathematics) can make you really feel more interested to read.

Download and Read Online Functions of a Complex Variable: Theory and Technique (Classics in Applied Mathematics) By George F. Carrier, Max Krook, Carl E. Pearson #5GY4IH6ST1R

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

Functions of a Complex Variable: Theory and Technique (Classics in Applied Mathematics) 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 (Classics in Applied Mathematics) By George F. Carrier, Max Krook, Carl E. Pearson books to read online.

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

Functions of a Complex Variable: Theory and Technique (Classics in Applied Mathematics) By George F. Carrier, Max Krook, Carl E. Pearson Doc

Functions of a Complex Variable: Theory and Technique (Classics in Applied Mathematics) By George F. Carrier, Max Krook, Carl E. Pearson Mobipocket

Functions of a Complex Variable: Theory and Technique (Classics in Applied Mathematics) By George F. Carrier, Max Krook, Carl E. Pearson EPub

5GY4IH6ST1R: Functions of a Complex Variable: Theory and Technique (Classics in Applied Mathematics) By George F. Carrier, Max Krook, Carl E. Pearson