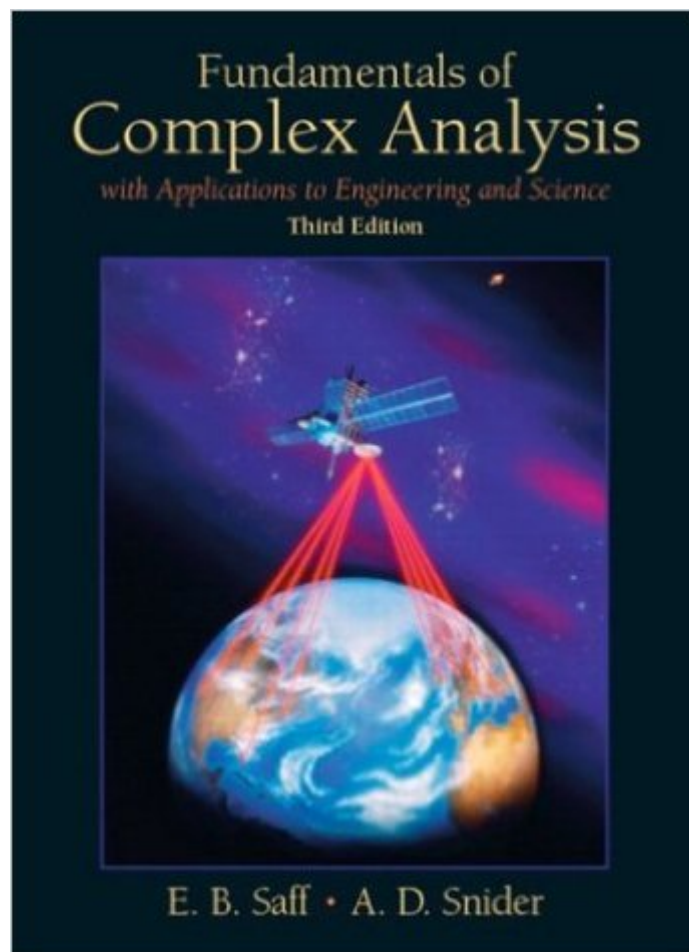The book was found

Fundamentals Of Complex Analysis With Applications To Engineering, Science, And Mathematics (3rd Edition)

Synopsis

This is the best seller in this market. It provides a comprehensive introduction to complex variable theory and its applications to current engineering problems. It is designed to make the fundamentals of the subject more easily accessible to students who have little inclination to wade through the rigors of the axiomatic approach. Modeled after standard calculus booksâ "both in level of exposition and layoutâ "it incorporates physical applications throughout the presentation, so that the mathematical methodology appears less sterile to engineering students.

Book Information

Hardcover: 563 pages

Publisher: Pearson; 3 edition (January 10, 2003)

Language: English

ISBN-10: 0139078746

ISBN-13: 978-0139078743

Product Dimensions: 7.4 x 1.4 x 9.3 inches

Shipping Weight: 2.5 pounds (View shipping rates and policies)

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Customer Reviews

This was the book that I learned Complex Analysis from. Definitely made the subject accessible to pretty much any reader. Plenty of exercises: some more theoretical, some more applied. It skillfully straddles the gap between being a theoretical math book and a math book for people with more applied aims (such as engineers). Most topics are covered thoroughly, though certain more complicated subjects such as winding number are left out for simplicity.This book definitely prepared me for tackling the dense, theoretical, and exceptional "Complex Analysis" by Ahlfors. I'd recommend it as an introductory book for anyone trying to get into the subject who is intimidated by Ahlfors, as well as for anyone who is only interested in the essential commonly-applied tools.

First let me say that this book was an introduction to the subject for me. After reading the first six chapters, and working through most of the problems, I have to say this book is great. I highly

recommend this to anyone who is learning on there own. In particular, the chapter on residues is excellent. The chapter on series is also good, although I would have liked more worked examples for proofs involving uniform convergence. Also, a little more emphasis on the Arguement would have been nice. Nevertheless, 5/5 for this one, it is extremely well written and the authors really provide motivation for the theorems to come. This is definitely one of the best math books I have read. Great buy, worth every penny.

Complex Analysis is always there in every applied math document of engineering context. The reason I bought the particular book was that I stumbled on some old forgotten Conformal Mapping techniques in Digital Filter Design and needed some good reference to go through...I ended up reading the whole book from first to last page as it managed to capture my interest and distract me from my original purpose for a couple of happy months. So if you are planning to stick to the foundations beyond your studies and course exams, then THIS BOOK IS FOR LIFE...the subject is very extensive and tricky but the book manages to present completely all the necessary elements in the right pace and volume that keeps the application-oriented reader's attention focused while keeping at the same time -in my opinion- the right level of mathematical strictness. All the most essential theorems and formulas are nicely placed intro frames so underlining is not that necessary. Last but not least there is a wealth of examples and illustrations that make it a very friendly tool for anyone about to take course exams or some old engineering graduate seeking a quick reference like myself.

I have just finished a class using this book, and on the whole its done a good job. I didn't find it in any way super special or anything, but I could read it and understand it. As far as math books go that is pretty good. Lots of exercises with answers in the back, which is what you need. Usually there are worked out examples of the most standard problems, but not always, e.g. there is no example of residue calculus with a Log function.

This book was not exactly introductory level but if you have some familiarity with concepts, it will serve as a good reference book. Very concise but contains many good examples.I used this book in conjunction with "A First Course in Complex Analysis"by Dennis Zill for a graduate level course, which is more of an introductory text than this book.I recommend using both for your first course.Another reference: Search for "Complex Analysis Modules by Mathews") on google. This served as a great online reference and has a corresponding book: COMPLEX ANALYSIS: for

Mathematics and Engineering, Fifth Edition, 2006 by John H. Mathews and Russell W. Howell. Although I did not read this book, the author has put up wonderful online notes from this book, which I did use.

There are many books on complex variables, but this surely rates well as an introduction. It is great for self study. It bridges the gap nicely from calculus. The problems at the end of the sections are of a rich and varied type and do enhance your learning experience. This book deserves a second look.

I found out about this book from the OCW MIT course on complex analysis, and I must say it was a great find. The book I used to learn complex analysis is "Complex Variables with Applications" by Wunsch, which I also believe to be a good book, however this book by Edward Saff is much easier to understand. The writting style is very clear, and the material is carefully selected for engineering students.The book may fall a little short with the amount and depth of the topics, so math students who require lots of rigorous proofs may want to look somewhere else, however if you are an engineering or physics student the topics at hand will be perfectly covered at an introductory level.The only real complain about the book would be the physical book itself, as with most Pearson books, this book has one of the worst bindings I've ever seen, just like Griffith's book "Introduction to Electrodynamics" (Also from Pearson editorial), the pages basically separate or unglue from the spine the second you open up the book, I had to use epoxy glue to keep the pages from falling off!!!! This seems to be a recurring problem with Pearson books, and somehow it seems Pearson doesnt care and year after year they continue to provide cheap binding on expensive hardcover books, thats really an unethical business scheme, one would only expect such low quality binding from cheap international edition books, yet it seems that in this case the international edition books have better manufacturing than the hardcover US editions for just a fraction of the price!My advice: Get the international edition of this book, if Pearson really wants us to pay the full price for their books, they should provide us with something worthy, not this, I wont be buying any hardcover Pearson textbook until they fix this issue.

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