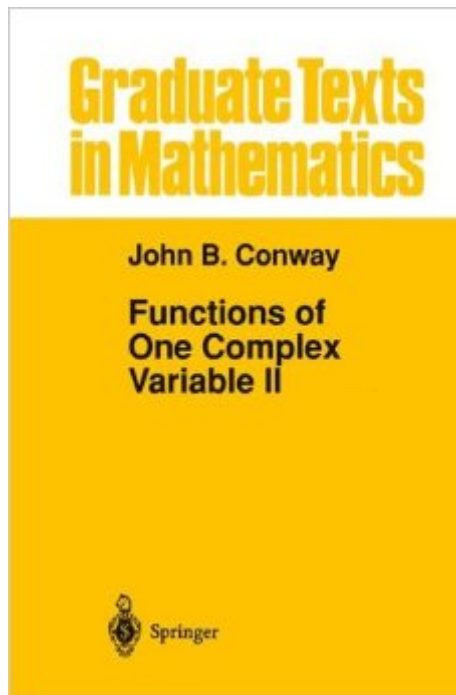


The book was found

# Functions Of One Complex Variable II (Graduate Texts In Mathematics, Vol. 159)



## Synopsis

This book discusses a variety of problems which are usually treated in a second course on the theory of functions of one complex variable, the level being gauged for graduate students. It treats several topics in geometric function theory as well as potential theory in the plane, covering in particular: conformal equivalence for simply connected regions, conformal equivalence for finitely connected regions, analytic covering maps, de Branges' proof of the Bieberbach conjecture, harmonic functions, Hardy spaces on the disk, potential theory in the plane. A knowledge of integration theory and functional analysis is assumed.

## Book Information

Series: Graduate Texts in Mathematics (Book 159)

Hardcover: 396 pages

Publisher: Springer; 1st edition (June 13, 1996)

Language: English

ISBN-10: 0387944605

ISBN-13: 978-0387944609

Product Dimensions: 6.1 x 1 x 9.2 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars [See all reviews](#) (3 customer reviews)

Best Sellers Rank: #1,379,041 in Books (See Top 100 in Books) #101 in [Books > Science & Math > Mathematics > Applied > Vector Analysis](#) #137 in [Books > Science & Math > Mathematics > Applied > Stochastic Modeling](#) #1135 in [Books > Science & Math > Mathematics > Mathematical Analysis](#)

## Customer Reviews

Complex analysis is an old and very important part of mathematics, and it has very important applications in engineering (circuit theory) and pure science (quantum mechanics is formulated in an inherently complex formalism). There are a number of very great and important texts in this area. Ahlfors book has been the greatest textbook for a very long time, and it remains a great and even indispensable text. Berenstein and Gay have a ponderous two volume work that gives stunning insight and a very modern perspective. It is also the very best book for those who hope to transition to the theory of several complex variables. So, it is important, and I would not want to be without BG. BG is ponderous to use as a textbook, unless you have a rigorous graduate course. Carrier, Krook, and Pearson is an important and always useful book for giving insight into how calculations

are really done. Needham is unique in that it gives the greatest insight into the underlying geometric meanings of complex analysis. I find many other texts, even those used at most excellent universities, to be of secondary importance. For me, Conway is the best place to begin, the best place to learn, and always a useful and clear reference. He arranges the curriculum in a very orderly way, in a way that allows real insight all along. His proofs are real proofs. He doesn't leave gaps that a student should not bridge easily, and his proofs are complete. They leave no room for objections. So, the text has complete clarity. Conway gives a full skill set. Carrier Krook and Pearson may get you calculating more quickly and with greater facility, but you will learn the full calculation skill in Conway. Conway is quite complete, but without being as ponderous as BG (still a magnificent book).

[Download to continue reading...](#)

Functions of One Complex Variable II (Graduate Texts in Mathematics, Vol. 159) 7 More  
Psychological Complexes That You Didn't Know Existed: Cinderella Complex, Superman Complex, Napoleon Complex, Messiah Complex, Phaedra Complex, ... Complex (Transcend Mediocrity Book 125) The Symmetric Group: Representations, Combinatorial Algorithms, and Symmetric Functions (Graduate Texts in Mathematics, Vol. 203) Number Theory: Algebraic Numbers and Functions (Graduate Studies in Mathematics) Functions of a Real Variable Introduction to Smooth Manifolds (Graduate Texts in Mathematics, Vol. 218) Differential Geometry: Cartan's Generalization of Klein's Erlangen Program (Graduate Texts in Mathematics, Vol. 166) Cats: The Songs from The Musical (Ez Play Today, Vol. 159) A First Course in Complex Analysis with Applications (Jones and Bartlett Publishers Series in Mathematics: Complex) Books of Breathing and Related Texts -Late Egyptian Religious Texts in the British Museum Vol.1 (Catalogue of the Books of the Dead and Other Religious Texts in the British Museum) Microsoft Excel 2013 Functions & Formulas Quick Reference Card (4-page Cheat Sheet focusing on examples and context for intermediate-to-advanced functions and formulas- Laminated Guide) Microsoft Excel 2010 Functions & Formulas Quick Reference Guide (4-page Cheat Sheet focusing on examples and context for intermediate-to-advanced functions and formulas- Laminated Guide) Leadership Roles and Management Functions in Nursing: Theory and Application (Marquis, Leadership Roles and Management Functions in Nursing) Cooking for One: 365 Recipes For One, Quick and Easy Recipes (Healthy Cooking for One, Easy Cooking for One, One Pot, One Pan) Graph Theory (Graduate Texts in Mathematics) Algebraic Geometry (Graduate Texts in Mathematics) Categories for the Working Mathematician (Graduate Texts in Mathematics) Commutative Algebra: with a View Toward Algebraic Geometry (Graduate Texts in Mathematics) A First Course in Modular Forms

(Graduate Texts in Mathematics) Rational Homotopy Theory (Graduate Texts in Mathematics)

[Dmca](#)