The book was found

Conformal Mapping On Riemann Surfaces (Dover Books On Mathematics)

Harvey Cohn
Conformal Mapping on Riemann Surfaces
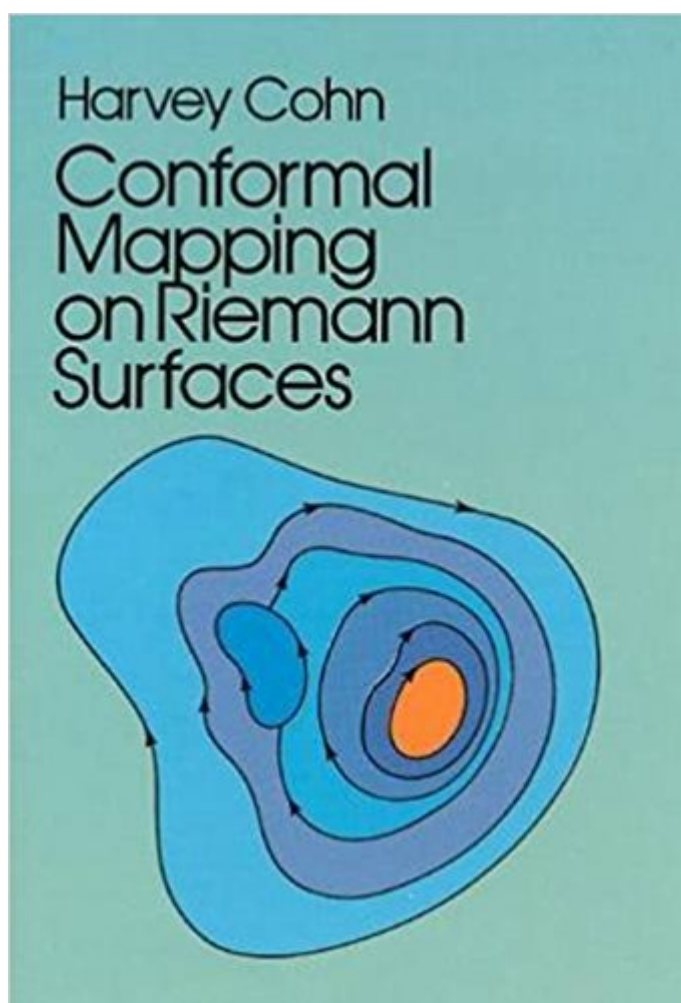
Synopsis

The subject matter loosely called "Riemann surface theory" has been the starting point for the development of topology, functional analysis, modern algebra, and any one of a dozen recent branches of mathematics; it is one of the most valuable bodies of knowledge within mathematics for a student to learn.Professor Cohn's lucid and insightful book presents an ideal coverage of the subject in five parts. Part I is a review of complex analysis analytic behavior, the Riemann sphere, geometric constructions, and presents (as a review) a microcosm of the course. The Riemann manifold is introduced in Part II and is examined in terms of intuitive physical and topological technique in Part III. In Part IV the author shows how to define real functions on manifolds analogously with the algebraic and analytic points of view outlined here. The exposition returns in Part V to the use of a single complex variable z. As the text is richly endowed with problem material Ã¢â ¬â • 344 exercises Ã¢â ¬â • the book is perfect for self-study as well as classroom use.Harvey Cohn is well-known in the mathematics profession for his pedagogically superior texts, and the present book will be of great interest not only to pure and applied mathematicians, but also engineers and physicists. Dr. Cohn is currently Distinguished Professor of Mathematics at the City University of New York Graduate Center.

Book Information

Series: Dover Books on Mathematics

Paperback: 352 pages

Publisher: Dover Publications; Revised ed. edition (October 18, 2010)

Language: English

ISBN-10: 0486640256

ISBN-13: 978-0486640259

Product Dimensions: 8.2 x 5.6 x 0.7 inches

Shipping Weight: 13.4 ounces

Average Customer Review: 4.0 out of 5 stars   1 customer review

Best Sellers Rank: #715,031 in Books (See Top 100 in Books)   #138 inÃ Â Books > Science & Math > Mathematics > Pure Mathematics > Functional Analysis   #597 inÃ Â Books > Science & Math > Mathematics > Mathematical Analysis   #1785 inÃ Â Books > Science & Math > Mathematics > Pure Mathematics > Calculus

Customer Reviews

A Distinguished Professor of Mathematics at the City University of New York Graduate Center,

Harvey Cohn is well known for his pedagogically superior texts.

My major fault with this book is with the hydrodynamics/ aerodynamicscoverage, since he leaves out Joukowski air foil theory completely.On the plus side his coverage of MÃƒÂ¶bius geometry, the anharmonic invariant and the cross ratiois outstanding. Also the coverage of the Euler-Poincare characteristic equationwas enlightening with the addition of "edges" or cross cap borders.The Poisson kernel section is very good as well.I think the major virtue of the book is the amount of important material coveredfor the Dover books price...

Download to continue reading...

Conformal Mapping on Riemann Surfaces (Dover Books on Mathematics) Riemann Surfaces (Oxford Graduate Texts in Mathematics) Algebraic Curves and Riemann Surfaces (Graduate Studies in Mathematics, Vol 5) Lectures on Riemann Surfaces: Jacobi Varieties (Princeton Legacy Library) Natural Surfaces: Visual Research for Artists, Architects, and Designers (Surfaces Series) The Theory and Practice of Conformal Geometry (Aurora: Dover Modern Math Originals) Prime Obsession: Bernhard Riemann and the Greatest Unsolved Problem in Mathematics Conformal Field Theory (Graduate Texts in Contemporary Physics) Target Volume Delineation and Field Setup: A Practical Guide for Conformal and Intensity-Modulated Radiation Therapy Modern Geometry Ã¢â ¬â ¢ Methods and Applications: Part I: The Geometry of Surfaces, Transformation Groups, and Fields (Graduate Texts in Mathematics) (Pt. 1) Mapping America: Exploring the Continent (Mapping (Black Dog)) Colorado: Mapping the Centennial State through History: Rare And Unusual Maps From The Library Of Congress (Mapping the States through History) Massachusetts: Mapping the Bay State through History: Rare and Unusual Maps from the Library of Congress (Mapping the States through History) Geometric Properties of Natural Operators Defined by the Riemann Curvature Tensor Riemann's Zeta Function Prime Numbers and the Riemann Hypothesis The Theory of the Riemann Zeta-Function (Oxford Science Publications) READING ORDER: TAMI HOAG: BOOKS LIST OF THE BITTER SEASON, KOVAC/LISKA BOOKS, HENNESSY BOOKS, QUAID HORSES, DOUCET BOOKS, DEER LAKE BOOKS, ELENA ESTES BOOKS, OAK KNOLL BOOKS BY TAMI HOAG Mathematics and the Imagination (Dover Books on Mathematics) One Hundred Problems in Elementary Mathematics (Dover Books on Mathematics)

Privacy

FAQ & Help