The book was found

Elements Of Real Analysis (International Series In Mathematics)

INTERNATIONAL SERIES IN MATHEMATICS

ELEMENTS OF
REAL
ANALYSIS

CHARLES G. DENLINGER
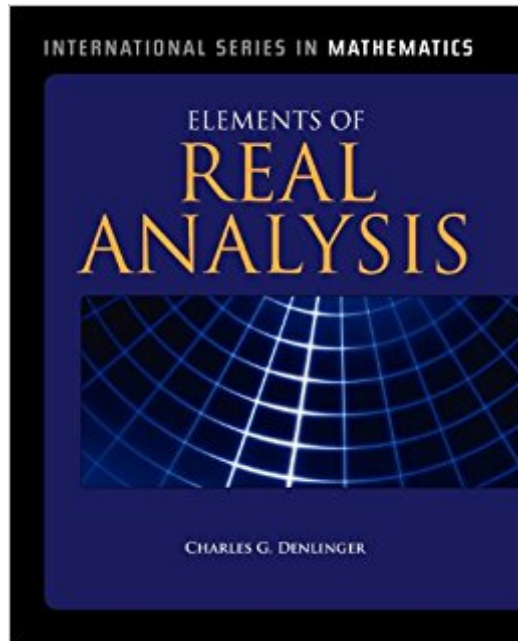
Synopsis

Elementary Real Analysis is a core course in nearly all mathematics departments throughout the world. It enables students to develop a deep understanding of the key concepts of calculus from a mature perspective. Elements of Real Analysis is a student-friendly guide to learning all the important ideas of elementary real analysis, based on the author's many years of experience teaching the subject to typical undergraduate mathematics majors. It avoids the compact style of professional mathematics writing, in favor of a style that feels more comfortable to students encountering the subject for the first time. It presents topics in ways that are most easily understood, yet does not sacrifice rigor or coverage. In using this book, students discover that real analysis is completely deducible from the axioms of the real number system. They learn the powerful techniques of limits of sequences as the primary entry to the concepts of analysis, and see the ubiquitous role sequences play in virtually all later topics. They become comfortable with topological ideas, and see how these concepts help unify the subject. Students encounter many interesting examples, including "pathological" ones, that motivate the subject and help fix the concepts. They develop a unified understanding of limits, continuity, differentiability, Riemann integrability, and infinite series of numbers and functions.

Book Information

Series: International Series in Mathematics

Paperback: 739 pages

Publisher: Jones & Bartlett Learning; 1 edition (May 22, 2010)

Language: English

ISBN-10: 0763779474

ISBN-13: 978-0763779474

Product Dimensions: 7.5 x 1.5 x 9.2 inches

Shipping Weight: 3.2 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 2 customer reviews

Best Sellers Rank: #725,444 in Books (See Top 100 in Books) #143 inÃ Â Books > Science & Math > Mathematics > Pure Mathematics > Functional Analysis #1083 inÃ Â Books > Textbooks > Science & Mathematics > Mathematics > Calculus #1819 inÃ Â Books > Science & Math > Mathematics > Pure Mathematics > Calculus

Customer Reviews

Whether you are a newbie to real analysis who is still unsure of how the reals are constructed or a

veteran in the field seeking to sharpen your knowledge with some hardcore measure theory, this book serves both extremes. The author starts off from the absolute fundamentals of field and order axioms and works all the way up to Banach spaces while essentially spoon-feeding you with detailed and easy-to-follow proofs of otherwise abstruse theorems; in fact, they are so detailed and sometimes so obvious that I ended up skipping every other line of most proofs. Also, copious exercises (bordering on excessive), ranging from your run-of-the-mill proofs of why sin(x) is continuous to more intriguing problems like proving the uniqueness of the reals, provide the student with every opportunity to practice and master the material.

I purchased a used version of this book and I am very happy with the product.

Elements Of Real Analysis (International Series in Mathematics) Principles of Mathematical Analysis (International Series in Pure and Applied Mathematics) (International Series in Pure & Applied Mathematics) The Real Book of Real Estate: Real Experts. Real Stories. Real Life. Hawaii Real Estate Wholesaling Residential Real Estate Investor & Commercial Real Estate Investing: Learn to Buy Real Estate Finance Hawaii Homes & Find Wholesale Real Estate Houses in Hawaii Complex Analysis For Mathematics And Engineering (International Series in Mathematics) Nelson Pure Mathematics 2 and 3 for Cambridge International A Level (Nelson Mathematics for Cambridge International a Level) The Smart Real Estate Investor: Real Estate Book Bundle 2 Manuscripts Expert Strategies on Real Estate Investing, Starting with Little or No Money, Proven Methods for Investing in Real Estate The Smart Real Estate Investor: Real Estate Book Bundle 3 Manuscripts Expert Strategies on Real Estate Investing, Finding and Generating Leads, Funding, Proven Methods for Investing in Real Estate Real Estate: 25 Best Strategies for Real Estate Investing, Home Buying and Flipping Houses (Real Estate, Real Estate Investing, home buying, flipping houses, ... income, investing, entrepreneurship) Real Estate: 30 Best Strategies to Prosper in Real Estate - Real Estate Investing, Financing & Cash Flow (Real Estate Investing, Flipping Houses, Brokers, Foreclosure) Elements of Advanced Mathematics, Third Edition (Textbooks in Mathematics) Transfer Pricing Arms Length Principle International Tax Law (Series on International Taxation) (Series in International Taxation) A Transition to Mathematics with Proofs (International Series in Mathematics) The Principles of Mathematical Analysis (International Series in Pure & Applied Mathematics) Jennifer L. Armentrout Books Checklist and Reading Order: Reading order of Lux series, Wait for You series, Titan series, Covenant series, Dark Elements series, Gamble Brothers, Frigid series Fractal Geometry and Dynamical Systems in Pure and Applied Mathematics

I: Fractals in Pure Mathematics (Contemporary Mathematics) 2012 International Plumbing Code (Includes International Private Sewage Disposal Code) (International Code Council Series) Mathematics and the Real World: The Remarkable Role of Evolution in the Making of Mathematics Advanced Mathematics: Precalculus With Discrete Mathematics and Data Analysis Concert Favorites Vol. 1 - Trombone: Essential Elements 2000 Band Series (Essential Elements 2000 Band Method)