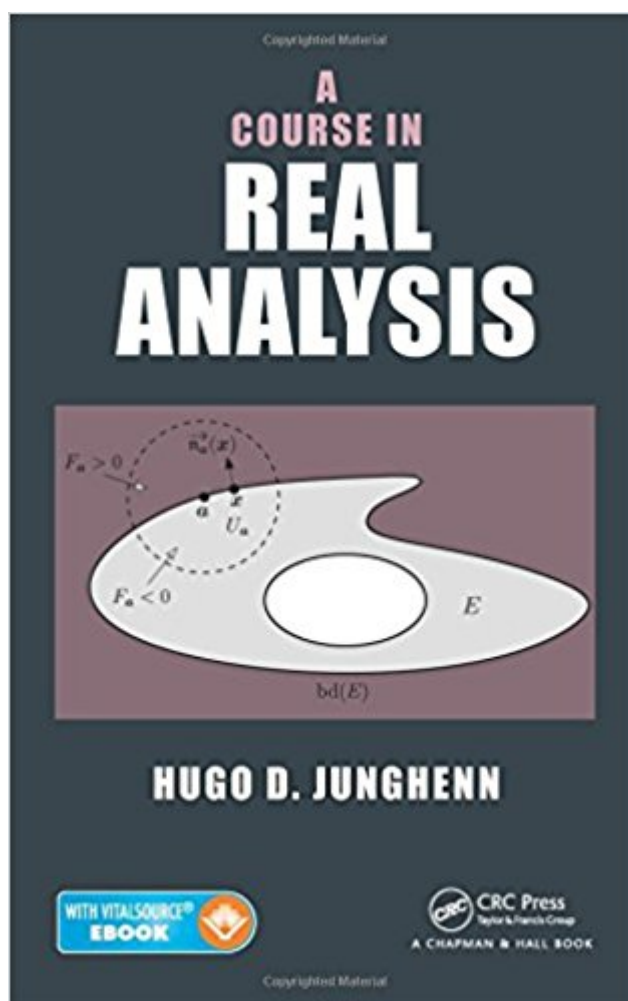


The book was found

A Course In Real Analysis



Synopsis

A Course in Real Analysis provides a rigorous treatment of the foundations of differential and integral calculus at the advanced undergraduate level. The book's material has been extensively classroom tested in the author's two-semester undergraduate course on real analysis at The George Washington University. The first part of the text presents the calculus of functions of one variable. This part covers traditional topics, such as sequences, continuity, differentiability, Riemann integrability, numerical series, and the convergence of sequences and series of functions. It also includes optional sections on Stirling's formula, functions of bounded variation, Riemann-Stieltjes integration, and other topics. The second part focuses on functions of several variables. It introduces the topological ideas (such as compact and connected sets) needed to describe analytical properties of multivariable functions. This part also discusses differentiability and integrability of multivariable functions and develops the theory of differential forms on surfaces in $\mathbb{R}^n$. The third part consists of appendices on set theory and linear algebra as well as solutions to some of the exercises. A full solutions manual offers complete solutions to all exercises for qualifying instructors. With clear proofs, detailed examples, and numerous exercises, this textbook gives a thorough treatment of the subject. It progresses from single variable to multivariable functions, providing a logical development of material that will prepare students for more advanced analysis-based courses.

Book Information

Hardcover: 613 pages

Publisher: Chapman and Hall/CRC; 1 edition (February 13, 2015)

Language: English

ISBN-10: 1482219271

ISBN-13: 978-1482219272

Product Dimensions: 9.3 x 6.1 x 1 inches

Shipping Weight: 2.1 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #293,180 in Books (See Top 100 in Books) #36 in Books > Science & Math > Mathematics > Pure Mathematics > Functional Analysis #516 in Books > Textbooks > Science & Mathematics > Mathematics > Calculus #818 in Books > Science & Math > Mathematics > Pure Mathematics > Calculus

Customer Reviews

"*Real Analysis* is intended for a first course in real analysis. It could also be used to support an advanced calculus course. The approach is theoretical and the writing rigorously mathematical. There are numerous exercises. If a library needs to add to its collection in this area, this book would be a good choice. Summing up: Recommended. Upper-division undergraduates and graduate students." D. Z. Spicer, University System of Maryland, USA for CHOICE, October 2015 "The book is carefully written, with rigorous proofs and a sufficient number of solved and unsolved problems. It is suitable for most university courses in mathematical analysis." Zentralblatt MATH 1317

Hugo D. Junghenn is a professor of mathematics at The George Washington University. He has published numerous journal articles and is the author of several books, including *Option Valuation: A First Course in Financial Mathematics*. His research interests include functional analysis, semigroups, and probability.

This is a clear & vibrant tour of Mathematical Analysis. I can understand what the author has written despite the fact that I do not major in Mathematics. Thanks for writing such an accessible book!

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

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 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) A Course in Real Analysis The Infertility Journey: Real voices. Real issues. Real insights. Lupus: Real Life, Real Patients, Real Talk How to Start Your Own Real Estate Photography Business!: A Step-by-Step Guide to Show You How to Begin Your Own Real Estate Photography Business in 14 ... for real estate, photographing houses) Real Kids, Real Stories, Real Change: Courageous Actions Around the World Love What Matters: Real People. Real Stories. Real Heart. The Book on Investing In Real

Estate with No (and Low) Money Down: Real Life Strategies for Investing in Real Estate Using Other People's Money A Guide to MAKING IT in Real Estate: A SUCCESS GUIDE for real estate lenders, real estate agents and those who would like to learn about the professions. Real Estate: Passive Income: Real Estate Investing, Property Development, Flipping Houses (Commercial Real Estate, Property Management, Property Investment, ... Rental Property, How To Flip A House) Infinite Real Estate ROI: The "Silver Bullet" Method of Real Estate Investing to Control Over \$10 Million Worth of Real Estate With No Ca\$h, No Credit and No Partners Confessions of a Real Estate Entrepreneur: What It Takes to Win in High-Stakes Commercial Real Estate: What it Takes to Win in High-Stakes Commercial Real Estate The Best Homemade Kids' Lunches on the Planet: Make Lunches Your Kids Will Love with Over 200 Deliciously Nutritious Lunchbox Ideas - Real Simple, Real Ingredients, Real Quick! What NOT to Write: Real Essays, Real Scores, Real Feedback (California Edition) (LawTutors California Bar Exam Essay Books) Florida Real Estate Law and Practice Explained (All Florida School of Real Estate - Florida Real Estate Mastery) (Volume 1)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)