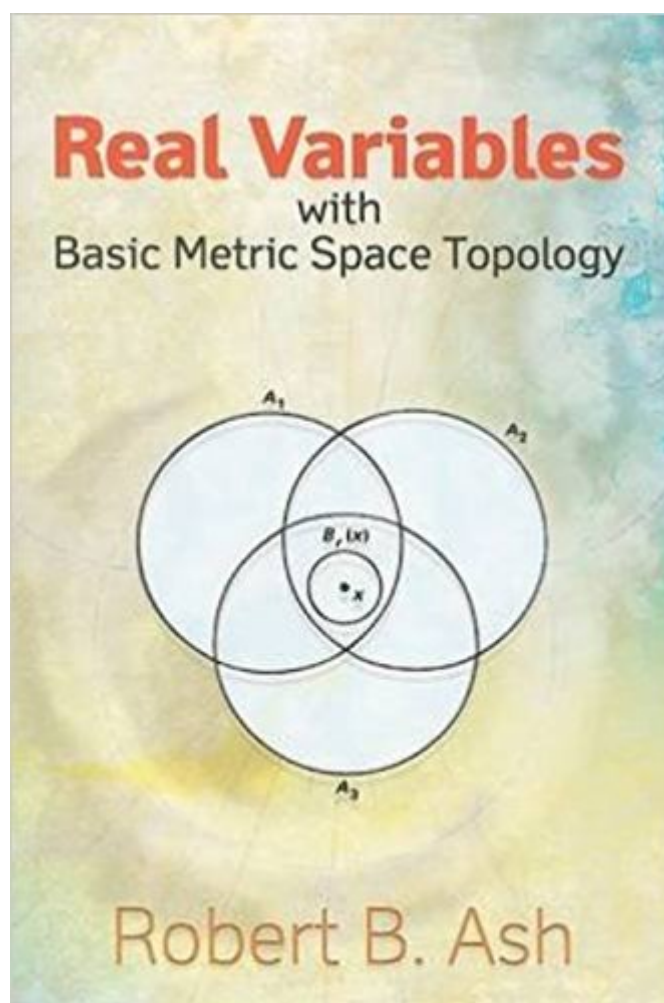


The book was found

Real Variables With Basic Metric Space Topology (Dover Books On Mathematics)



Synopsis

Designed for a first course in real variables, this text presents the fundamentals for more advanced mathematical work, particularly in the areas of complex variables, measure theory, differential equations, functional analysis, and probability. Geared toward advanced undergraduate and graduate students of mathematics, it is also appropriate for students of engineering, physics, and economics who seek an understanding of real analysis. The author encourages an intuitive approach to problem solving and offers concrete examples, diagrams, and geometric or physical interpretations of results. Detailed solutions to the problems appear within the text, making this volume ideal for independent study. Topics include metric spaces, Euclidean spaces and their basic topological properties, sequences and series of real numbers, continuous functions, differentiation, Riemann-Stieltjes integration, and uniform convergence and applications.

Book Information

Series: Dover Books on Mathematics

Paperback: 224 pages

Publisher: Dover Publications (May 21, 2009)

Language: English

ISBN-10: 0486472205

ISBN-13: 978-0486472201

Product Dimensions: 6.2 x 0.5 x 9.2 inches

Shipping Weight: 8 ounces (View shipping rates and policies)

Average Customer Review: 4.7 out of 5 stars 6 customer reviews

Best Sellers Rank: #205,274 in Books (See Top 100 in Books) #25 in [Books > Science & Math > Mathematics > Geometry & Topology > Topology](#) #127 in [Books > Science & Math > Mathematics > Mathematical Analysis](#) #621 in [Books > Science & Math > Mathematics > Pure Mathematics > Calculus](#)

Customer Reviews

Designed for a first course in real variables, this text presents the fundamentals for more advanced mathematical work, particularly in the areas of complex variables, measure theory, differential equations, functional analysis, and probability. Geared toward advanced undergraduate and graduate students of mathematics, it is also appropriate for students of engineering, physics, and economics who seek an understanding of real analysis. The author encourages an intuitive approach to problem solving and offers concrete examples, diagrams, and geometric or physical

interpretations of results. Detailed solutions to the problems appear within the text, making this volume ideal for independent study. Topics include metric spaces, Euclidean spaces and their basic topological properties, sequences and series of real numbers, continuous functions, differentiation, Riemann-Stieltjes integration, and uniform convergence and applications.

Unequivocally one of the best treatments of real variables I have come across. Transitioning into proof-based courses such as real analysis often makes students feel overwhelmed on how to approach proofs but this book is an invaluable help in that regard.

Proofs in this book are more straightforward, very intuitive and readable. Especially good for non-mathematic major students. I think most people who encounter advanced calculus for the first time would get lost in a bunch of axioms and topology properties, but this book makes everything clear.

Great book to study analysis on your own. Has answers to most problems.

Thank you.

Not an easy read per se' but contains some good / solid mathematics and connects analysis with topology which for me is interesting - makes math a bit holistic

I congratulate Prof Ash for his splendid presentation of real variables theory in such a clear manner which is unseen in many books of its kind. Prof Ash seems to know the mentality and anxiety of students taking a course on real variables at this level as he probably faced the same sort of problems when he first took to pure mathematics, having been an engineer by training. What I like about the book is its clarity and the many examples that elucidate the rather hard concepts like uniform convergence. The steps in the proofs are given in great detail which makes reading easy, unlike many other similar books which leave lots of gaps between steps, often leaving the student in a complete state of bewilderment. Nothing is more irksome to the reader than seeing a phrase like "It is easy to see that blah blah blah" when it is easy to the author who has spent his entire academic life mulling over it but is certainly not easy to the reader who sees it the first time. All writers must understand this. Another good thing about the book is that there are solutions to the exercises that makes self-learning a joy and not a toil.

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

Real Variables with Basic Metric Space Topology (Dover Books on Mathematics) Track & Field News' Big Gold Book: Metric Conversion Tables for Track & Field, Combined Decathlon/Heptathlon Scoring and Metric Conversion Tables, and ... the Track Fan, Athlete, Coach and Official Complex Variables: Second Edition (Dover Books on Mathematics) Algebraic Topology (Dover Books on Mathematics) Principles of Topology (Dover Books on Mathematics) Introduction to Topology: Third Edition (Dover Books on Mathematics) General Topology (Dover Books on Mathematics) Topology and Geometry for Physicists (Dover Books on Mathematics) Introduction to Topology: Second Edition (Dover Books on Mathematics) Counterexamples in Topology (Dover Books on Mathematics) A Combinatorial Introduction to Topology (Dover Books on 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 Basic Topology (Undergraduate Texts in Mathematics) Functions of Several Real Variables Geometry: A Metric Approach with Models (Undergraduate Texts in Mathematics) Metric Spaces (Springer Undergraduate Mathematics Series) Introduction to Metric and Topological Spaces (Oxford Mathematics) 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

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)