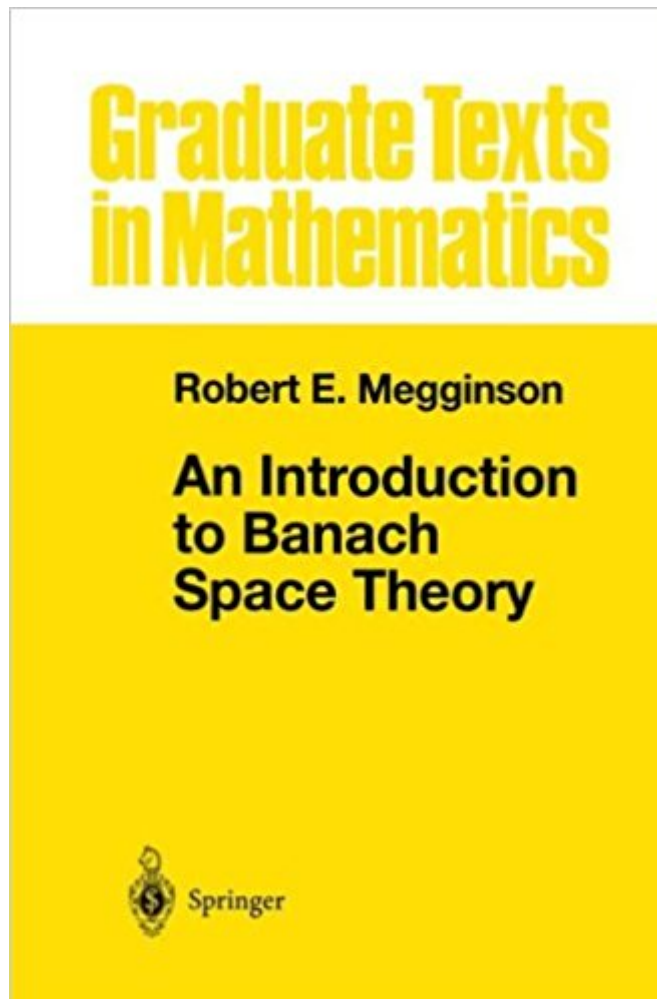


The book was found

An Introduction To Banach Space Theory (Graduate Texts In Mathematics)



Synopsis

Preparing students for further study of both the classical works and current research, this is an accessible text for students who have had a course in real and complex analysis and understand the basic properties of L^p spaces. It is sprinkled liberally with examples, historical notes, citations, and original sources, and over 450 exercises provide practice in the use of the results developed in the text through supplementary examples and counterexamples.

Book Information

Series: Graduate Texts in Mathematics (Book 183)

Paperback: 599 pages

Publisher: Springer; Softcover reprint of the original 1st ed. 1998 edition (October 9, 1998)

Language: English

ISBN-10: 1461268354

ISBN-13: 978-1461268352

Product Dimensions: 6.1 x 1.4 x 9.2 inches

Shipping Weight: 2 pounds (View shipping rates and policies)

Average Customer Review: 4.3 out of 5 stars See all reviews (6 customer reviews)

Best Sellers Rank: #3,187,090 in Books (See Top 100 in Books) #107 in Books > Science & Math > Mathematics > Transformations #2473 in Books > Science & Math > Physics > Mathematical Physics #2667 in Books > Science & Math > Mathematics > Mathematical Analysis

Customer Reviews

This is a text on the rudiments of Functional Analysis in the normed and Banach space setting. The case of Hilbert space is not emphasized. (Here are some examples of books on Hilbert space that I've found useful: Paul Halmos - Introduction to Hilbert Space and the Theory of Spectral Multiplicity, J.R. Retherford - Hilbert Space: Compact Operators and the Trace Theorem, and J. Weidmann - Linear Operators in Hilbert Spaces.) Other than that exception, this would make for a perfect textbook for use for, say, a two-semester Functional Analysis sequence for students who have had a graduate-level sequence in Real Variables (measure, integration, L^p -spaces) as from a textbook like Folland's Real Analysis. (Professor Megginson says something to this effect in the preface.) The book consists of five (very long) chapters. I've studied Chapters 1 & 2, and the majority of Chapters 3 & 4, but I haven't touched Chapter 5 (and so I cannot say anything about it). It's EXTREMELY well-written. The exposition is sometimes a bit bloated (and sometimes too pedantic); in my opinion, the book could have been a bit shorter without loss of clarity. However, in light of its great value, I

can easily overlook this. A VERY HELPFUL aspect of this book is that it's extremely well documented. By this, I mean that it's well-indexed, the bibliography and historical remarks are extensive; just about all of the important theorems include citations to their original sources. Also, I haven't found any typographical errors yet! Professor Megginson doesn't exasperate the reader by relegating important results to the exercises.

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

An Introduction to Banach Space Theory (Graduate Texts in Mathematics) An Introduction to Knot Theory (Graduate Texts in Mathematics) Stochastic Integration in Banach Spaces: Theory and Applications (Probability Theory and Stochastic Modelling) Introduction to Banach Spaces and their Geometry (North-Holland Mathematics Studies) (Volume 68) Graph Theory (Graduate Texts in Mathematics) Rational Homotopy Theory (Graduate Texts in Mathematics) Introduction to Smooth Manifolds (Graduate Texts in Mathematics, Vol. 218) Introduction to Smooth Manifolds (Graduate Texts in Mathematics) Riemannian Manifolds: An Introduction to Curvature (Graduate Texts in Mathematics) Lie Groups, Lie Algebras, and Representations: An Elementary Introduction (Graduate Texts in Mathematics) Classical Banach Spaces (Lecture Notes in Mathematics) Convexity and Optimization in Banach Spaces (Springer Monographs in Mathematics) Many-Body Quantum Theory in Condensed Matter Physics: An Introduction (Oxford Graduate Texts) The K-Book: An Introduction to Algebraic K-Theory (Graduate Studies in Mathematics) Functions of One Complex Variable II (Graduate Texts in Mathematics, Vol. 159) 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) The Geometry of Schemes (Graduate Texts in Mathematics)

[Dmca](#)