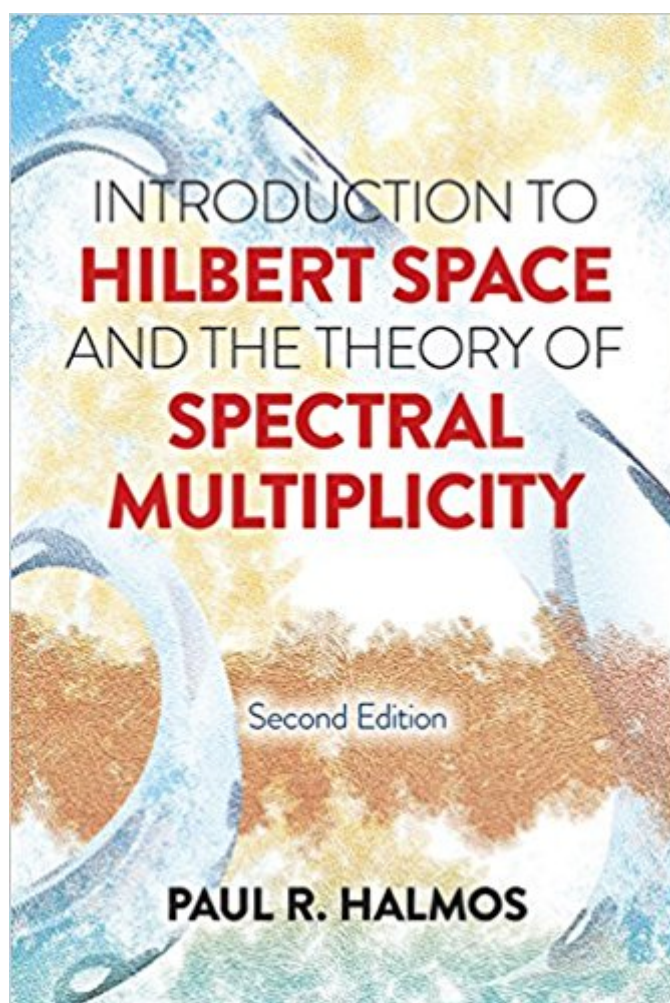The book was found

Introduction To Hilbert Space And The Theory Of Spectral Multiplicity: Second Edition (Dover Books On Mathematics)

Synopsis

This concise introductory treatment consists of three chapters: The Geometry of Hilbert Space, The Algebra of Operators, and The Analysis of Spectral Measures. Author Paul R. Halmos notes in the Preface that his motivation in writing this text was to make available to a wider audience the results of the third chapter, the so-called multiplicity theory. The theory as he presents it deals with arbitrary spectral measures, including the multiplicity theory of normal operators on a not necessarily separable Hilbert space. His explication covers, as another useful special case, the multiplicity theory of unitary representations of locally compact abelian groups.Suitable for advanced undergraduates and graduate students in mathematics, this volume's sole prerequisite is a background in measure theory. The distinguished mathematician E. R. Lorch praised the book in the Bulletin of the American Mathematical Society as "an exposition which is always fresh, proofs which are sophisticated, and a choice of subject matter which is certainly timely."

Book Information

Series: Dover Books on Mathematics

Paperback: 128 pages

Publisher: Dover Publications; 2 edition (December 13, 2017)

Language: English

ISBN-10: 0486817334

ISBN-13: 978-0486817330

Shipping Weight: 1.1 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #803,856 in Books (See Top 100 in Books)   #24 inÃ Â Books > Science & Math > Mathematics > Transformations   #63 inÃ Â Books > Science & Math > Mathematics > Applied > Vector Analysis   #161 inÃ Â Books > Science & Math > Mathematics > Pure Mathematics > Functional Analysis

Customer Reviews

Hungarian-born Paul R. Halmos (1916Ã¢â ¬â œ2006) is widely regarded as a top-notch expositor of mathematics. He taught at the University of Chicago and the University of Michigan as well as other universities and made significant contributions to several areas of mathematics, including mathematical logic, probability theory, ergodic theory, and functional analysis.

Introduction to Hilbert Space and the Theory of Spectral Multiplicity: Second Edition (Dover Books on Mathematics) Theory of Linear Operators in Hilbert Space (Dover Books on Mathematics) Spectral Geometry of the Laplacian: Spectral Analysis and Differential Geometry of the Laplacian Linear Systems and Operators in Hilbert Space (Dover Books on Mathematics) Hilbert Space Methods in Partial Differential Equations (Dover Books on Mathematics) Chebyshev and Fourier Spectral Methods: Second Revised Edition (Dover Books on Mathematics) An Introduction to Hilbert Space and Quantum Logic (Problem Books in Mathematics) Elementary Number Theory: Second Edition (Dover Books on Mathematics) 2nd (second) Edition by Underwood Dudley published by Dover Publications (2008) An Introduction to the Theory of Reproducing Kernel Hilbert Spaces (Cambridge Studies in Advanced Mathematics) Spectral Graph Theory (CBMS Regional Conference Series in Mathematics, No. 92) An Introduction to Hilbert Space (Cambridge Mathematical Textbooks) Introduction to Modern Algebra and Matrix Theory: Second Edition (Dover Books on Mathematics) Functional Analysis: Entering Hilbert Space: 2nd Edition A Hilbert Space Problem Book Tensor Analysis: Spectral Theory and Special Tensors Trauma, Dissociation and Multiplicity: Working on Identity and Selves Attachment, Trauma and Multiplicity: Working with Dissociative Identity Disorder Real Analysis: Measure Theory, Integration, and Hilbert Spaces (Princeton Lectures in Analysis) (Bk. 3) Superman Vol. 3: Multiplicity (Rebirth) Elementary Number Theory: Second Edition (Dover Books on Mathematics)