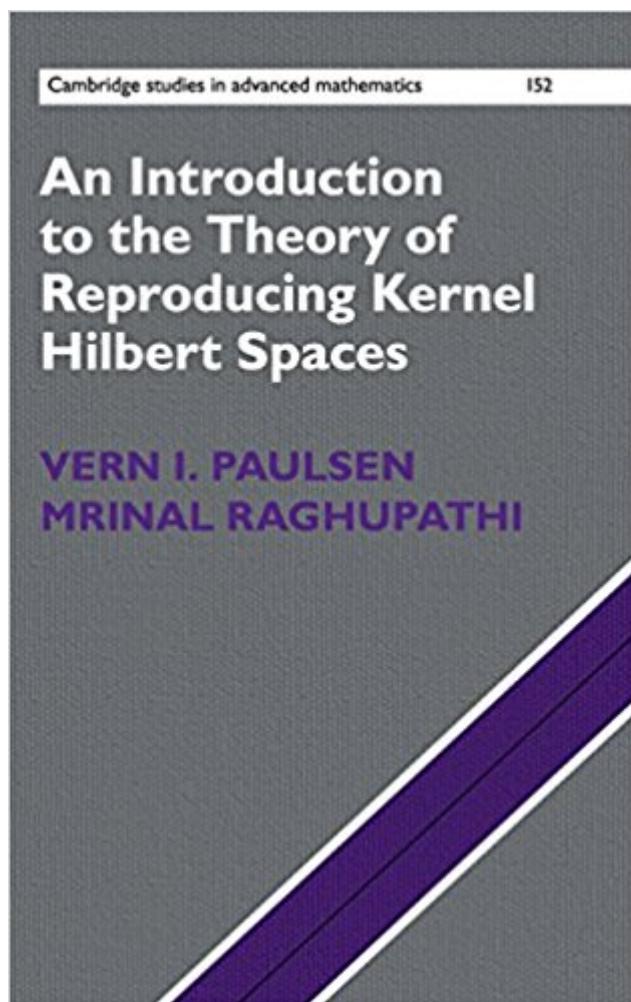


The book was found

# An Introduction To The Theory Of Reproducing Kernel Hilbert Spaces (Cambridge Studies In Advanced Mathematics)



## Synopsis

Reproducing kernel Hilbert spaces have developed into an important tool in many areas, especially statistics and machine learning, and they play a valuable role in complex analysis, probability, group representation theory, and the theory of integral operators. This unique text offers a unified overview of the topic, providing detailed examples of applications, as well as covering the fundamental underlying theory, including chapters on interpolation and approximation, Cholesky and Schur operations on kernels, and vector-valued spaces. Self-contained and accessibly written, with exercises at the end of each chapter, this unrivalled treatment of the topic serves as an ideal introduction for graduate students across mathematics, computer science, and engineering, as well as a useful reference for researchers working in functional analysis or its applications.

## Book Information

Series: Cambridge Studies in Advanced Mathematics (Book 152)

Hardcover: 192 pages

Publisher: Cambridge University Press; 1 edition (April 11, 2016)

Language: English

ISBN-10: 1107104092

ISBN-13: 978-1107104099

Product Dimensions: 6 x 0.6 x 9 inches

Shipping Weight: 14.1 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,181,883 in Books (See Top 100 in Books) #42 in Books > Science & Math > Mathematics > Transformations #279 in Books > Science & Math > Mathematics > Geometry & Topology > Topology #998 in Books > Science & Math > Mathematics > Mathematical Analysis

## Customer Reviews

'The purpose of this fine monograph is two-fold. On the one hand, the authors introduce a wide audience to the basic theory of reproducing kernel Hilbert spaces (RKHS), on the other hand they present applications of this theory in a variety of areas of mathematics ... the authors have succeeded in arranging a very readable modern presentation of RKHS and in conveying the relevance of this beautiful theory by many examples and applications.' Dirk Werner, Zentralblatt MATH

Covering the fundamental underlying theory as well as a range of applications, this unique text provides a unified overview of reproducing kernel Hilbert spaces. It offers an unrivalled and accessible introduction to the field, ideal for graduate students and researchers working in functional analysis or its applications.

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

An Introduction to the Theory of Reproducing Kernel Hilbert Spaces (Cambridge Studies in Advanced Mathematics) Kernel of the Kernel (Suny Series in Islam) Real Analysis: Measure Theory, Integration, and Hilbert Spaces (Princeton Lectures in Analysis) (Bk. 3) Introduction to Hilbert Spaces with Applications Introduction to Hilbert Space and the Theory of Spectral Multiplicity: Second Edition (Dover Books on Mathematics) An Introduction to Hilbert Space (Cambridge Mathematical Textbooks) Theory of Linear Operators in Hilbert Space (Dover Books on Mathematics) Multidimensional Stochastic Processes as Rough Paths: Theory and Applications (Cambridge Studies in Advanced Mathematics) An Introduction to Hilbert Space and Quantum Logic (Problem Books in Mathematics) Nelson Pure Mathematics 2 and 3 for Cambridge International A Level (Nelson Mathematics for Cambridge International a Level) An Introduction to Sobolev Spaces and Interpolation Spaces (Lecture Notes of the Unione Matematica Italiana) Linear Systems and Operators in Hilbert Space (Dover Books on Mathematics) Hilbert Space Methods in Partial Differential Equations (Dover Books on Mathematics) Reproducing Antique Furniture: Instructions and Measured Drawings for 40 Classic Projects (Dover Woodworking) Reproducing Empire: Race, Sex, Science, and U.S. Imperialism in Puerto Rico Reproducing Scholten & Baijings Stochastic Analysis: Itô and Malliavin Calculus in Tandem (Cambridge Studies in Advanced Mathematics) Enumerative Combinatorics: Volume 1 (Cambridge Studies in Advanced Mathematics) Mathematical Proofs: A Transition to Advanced Mathematics (3rd Edition) (Featured Titles for Transition to Advanced Mathematics) Mathematics for Quantum Mechanics: An Introductory Survey of Operators, Eigenvalues, and Linear Vector Spaces (Dover Books on Mathematics)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)