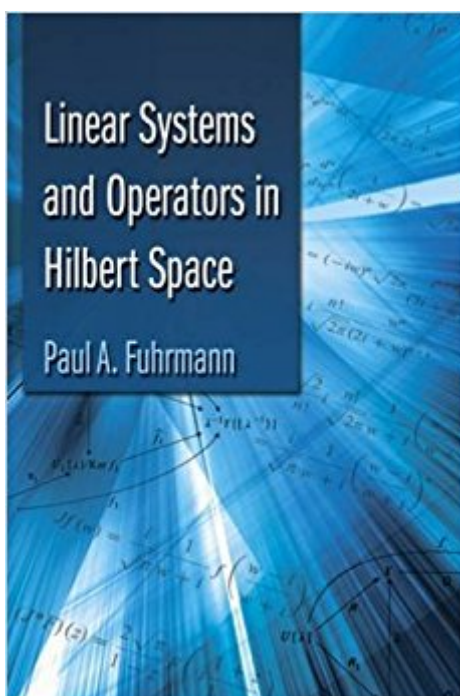


The book was found

Linear Systems And Operators In Hilbert Space (Dover Books On Mathematics)



Synopsis

Written by an internationally recognized authority in the field of systems theory, this monograph describes systems theory in the context of infinite dimensional spaces. The book offers engineers a powerful and elegant approach to the study of mathematical system theory using fairly advanced techniques of operator theory in Hilbert spaces, with an emphasis on the theory of invariant subspaces. In addition, mathematicians will appreciate the presentation of system theory as an intellectually exciting field that possesses many interesting problems with some physical intuition as a guide. Appropriate for students with no previous experience of operator theory, the three-part approach covers linear algebra and finite dimensional systems, operators in Hilbert space, and linear systems in Hilbert space. The treatment's most significant feature lies in its focus on the centrality of module structure in several settings. Linear algebra, structure of self-adjoint and unitary transformation, and the structure of restricted shift operators are developed in similar ways, with emphasis on the connections between their theorems. Each section concludes with notes and references.

Book Information

Series: Dover Books on Mathematics

Paperback: 336 pages

Publisher: Dover Publications; 2014 edition (February 20, 2014)

Language: English

ISBN-10: 0486493059

ISBN-13: 978-0486493053

Product Dimensions: 6.1 x 0.9 x 9.1 inches

Shipping Weight: 1 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,424,950 in Books (See Top 100 in Books) #52 in [Books > Science & Math > Mathematics > Transformations](#) #505 in [Books > Science & Math > Mathematics > Pure Mathematics > Algebra > Linear](#)

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

Linear Systems and Operators in Hilbert Space (Dover Books on Mathematics) Theory of Linear Operators in Hilbert Space (Dover Books on Mathematics) Mathematics for Quantum Mechanics: An Introductory Survey of Operators, Eigenvalues, and Linear Vector Spaces (Dover Books on Mathematics) Introduction to Hilbert Space and the Theory of Spectral Multiplicity: Second Edition

(Dover Books on Mathematics) Hilbert Space Methods in Partial Differential Equations (Dover Books on Mathematics) An Introduction to Hilbert Space and Quantum Logic (Problem Books in Mathematics) Spellman's Standard Handbook for Wastewater Operators: Fundamentals, Volume I (Spellman's Standard Handbook for Wastewater Operators Series) (Volume 1) Linear Algebra With Applications (Jones and Bartlett Publishers Series in Mathematics. Linear) Banach Space Theory: The Basis for Linear and Nonlinear Analysis (CMS Books in Mathematics) Functional Analysis: Entering Hilbert Space: 2nd Edition An Introduction to Hilbert Space (Cambridge Mathematical Textbooks) A Hilbert Space Problem Book An Introduction to the Theory of Reproducing Kernel Hilbert Spaces (Cambridge Studies in Advanced Mathematics) Matrices and Linear Transformations: Second Edition (Dover Books on Mathematics) Matrices and Linear Algebra (Dover Books on Mathematics) Monotone Operators in Banach Space and Nonlinear Partial Differential Equations (Mathematical Surveys and Monographs) Linear Programming: An Introduction to Finite Improvement Algorithms: Second Edition (Dover Books on Mathematics) Finite-Dimensional Linear Analysis: A Systematic Presentation in Problem Form (Dover Books on Mathematics) Linear Algebra (Dover Books on Mathematics) Fractal Geometry and Dynamical Systems in Pure and Applied Mathematics I: Fractals in Pure Mathematics (Contemporary Mathematics)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)