



A Functional Analysis Framework for Modeling, Estimation and Control in Science and Engineering

By H. T. Banks

Chapman and Hall/CRC. Hardcover. Book Condition: New. Hardcover. 280 pages. Dimensions: 9.3in. x 6.3in. x 0.9in. A Modern Framework Based on Time-Tested Material A Functional Analysis Framework for Modeling, Estimation and Control in Science and Engineering presents functional analysis as a tool for understanding and treating distributed parameter systems. Drawing on his extensive research and teaching from the past 20 years, the author explains how functional analysis can be the basis of modern partial differential equation (PDE) and delay differential equation (DDE) techniques. Recent Examples of Functional Analysis in Biology, Electromagnetics, Materials, and Mechanics Through numerous application examples, the book illustrates the role that functional analysis a classical subject continues to play in the rigorous formulation of modern applied areas. The text covers common examples, such as thermal diffusion, transport in tissue, and beam vibration, as well as less traditional ones, including HIV models, uncertainty in noncooperative games, structured population models, electromagnetics in materials, delay systems, and PDEs in control and inverse problems. For some applications, computational aspects are discussed since many problems necessitate a numerical approach. This item ships from multiple locations. Your book may arrive from Roseburg, OR, La Vergne, TN. Hardcover.

DOWNLOAD



 READ ONLINE

Reviews

Completely essential read publication. I am quite late in start reading this one, but better then never. You wont truly feel monotony at any moment of your time (that's what catalogs are for regarding should you question me).

-- Nels Runte IV

This pdf is fantastic. This really is for all who statte there was not a worth looking at. Your lifestyle period is going to be convert the instant you complete looking over this pdf.

-- Dr. Chaim Kub