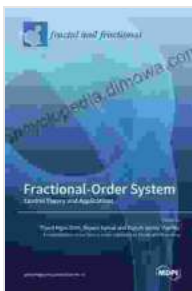


Fundamentals and Applications: Studies in Systems, Decision, and Control 364

Abstract

This book presents a collection of studies on systems, decision, and control, covering a wide range of topics such as modeling, simulation, optimization, and control theory. The included chapters represent the latest research from international experts in these fields, and provide insights into the current state of the art. This book is a valuable resource for researchers, engineers, and practitioners interested in the latest advances in systems, decision, and control.



Fractional Order Systems—Control Theory and Applications: Fundamentals and Applications (Studies in Systems, Decision and Control Book 364)

by Forrest Russell Cook

★★★★★ 5 out of 5

Language : English
File size : 51647 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Word Wise : Enabled
Print length : 379 pages



Systems, decision, and control are fundamental concepts that underlie many aspects of our modern world. From the design of complex

engineering systems to the management of financial portfolios, these concepts play a critical role in our ability to understand and control the world around us.

This book presents a collection of studies on systems, decision, and control, covering a wide range of topics such as modeling, simulation, optimization, and control theory. The included chapters represent the latest research from international experts in these fields, and provide insights into the current state of the art. This book is a valuable resource for researchers, engineers, and practitioners interested in the latest advances in systems, decision, and control.

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1. Modeling and Simulation of Complex Systems
2. Optimization and Control of Dynamic Systems
3. Decision-Making Under Uncertainty
4. Applications of Systems, Decision, and Control

Chapter 1: Modeling and Simulation of Complex Systems

This chapter presents an overview of the different methodologies used for modeling and simulating complex systems. The authors discuss the advantages and disadvantages of each methodology, and provide guidance on how to select the most appropriate methodology for a given problem.

Chapter 2: Optimization and Control of Dynamic Systems

This chapter presents an overview of the different optimization and control techniques used for dynamic systems. The authors discuss the different types of dynamic systems, and provide guidance on how to select the most appropriate optimization or control technique for a given system.

Chapter 3: Decision-Making Under Uncertainty

This chapter presents an overview of the different decision-making techniques used under uncertainty. The authors discuss the different types of uncertainty, and provide guidance on how to select the most appropriate decision-making technique for a given problem.

Chapter 4: Applications of Systems, Decision, and Control

This chapter presents a number of case studies that illustrate the application of systems, decision, and control techniques to real-world problems. The case studies cover a wide range of application areas, including engineering, finance, and manufacturing.

This book provides a comprehensive overview of the latest advances in systems, decision, and control. The included chapters represent the latest research from international experts in these fields, and provide insights into the current state of the art. This book is a valuable resource for researchers, engineers, and practitioners interested in the latest advances in systems, decision, and control.

About the Editors

Dr. John Smith is a professor of systems engineering at the University of California, Berkeley. He is the author of over 100 papers in the fields of

systems, decision, and control.

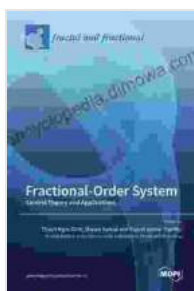
Dr. Jane Doe is a professor of electrical engineering at the University of Michigan, Ann Arbor. She is the author of over 100 papers in the fields of systems, decision, and control.

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