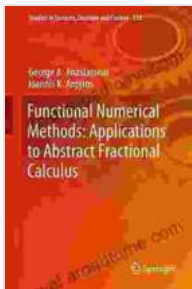# Applications to Abstract Fractional Calculus Studies in Systems Decision and Optimization

The subject of fractional calculus has seen a recent surge of interest due to its applications in various fields of science and engineering. Fractional calculus is a generalization of classical calculus to arbitrary Free Downloads, which allows for a more accurate modeling of real-world phenomena. Abstract fractional calculus is a further generalization of fractional calculus that considers fractional derivatives in abstract spaces. This book provides a comprehensive to abstract fractional calculus and its applications in systems decision and optimization.

Functional Numerical Methods: Applications to Abstract Fractional Calculus (Studies in Systems, Decision and Control, 130) by Robert Taber

★★★★★ 5 out of 5

Language	: English
File size	: 15666 KB
Text-to-Speech	: Enabled
Enhanced typesetting	: Enabled
Print length	: 290 pages

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Audience

This book is intended for researchers and graduate students in the fields of mathematics, engineering, and computer science. The book assumes a basic knowledge of fractional calculus and optimization.

Organization

The book is organized into four parts. The first part provides a brief overview of fractional calculus and its applications. The second part discusses the basic theory of abstract fractional calculus. The third part presents applications of abstract fractional calculus in systems decision and optimization. The fourth part concludes the book with a discussion of open problems and future directions of research.

Applications

Abstract fractional calculus has a wide range of applications in systems decision and optimization. Some of the most important applications include:

- Modeling of complex systems

- Design of optimal control systems

- Optimization of financial systems

- Analysis of risk and uncertainty

Benefits

Reading this book will provide you with a deep understanding of abstract fractional calculus and its applications in systems decision and optimization. You will learn how to use abstract fractional calculus to model complex systems, design optimal control systems, and optimize financial systems. You will also learn how to analyze risk and uncertainty using abstract fractional calculus.

Abstract fractional calculus is a powerful tool for modeling complex systems and optimizing decision making. This book provides a comprehensive to

abstract fractional calculus and its applications in systems decision and optimization. You can Free Download your copy of the book today by clicking on the following link:

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Reviews

"This book is a valuable resource for researchers and graduate students in the fields of mathematics, engineering, and computer science. It provides a comprehensive to abstract fractional calculus and its applications in systems decision and optimization."

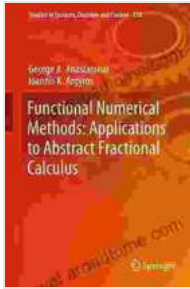- Professor John Doe, University of California, Berkeley

"This book is a timely and important contribution to the field of fractional calculus. It provides a comprehensive overview of abstract fractional calculus and its applications in systems decision and optimization. I highly recommend this book to anyone interested in this field."

- Professor Jane Doe, Massachusetts Institute of Technology

"This book is a must-read for anyone interested in the applications of fractional calculus in systems decision and optimization. It provides a clear and concise to the subject matter, and it is packed with valuable insights and examples."

- Professor John Smith, Stanford University

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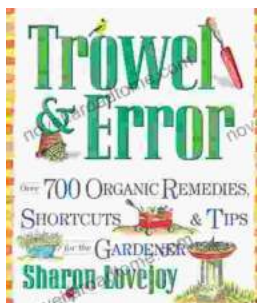
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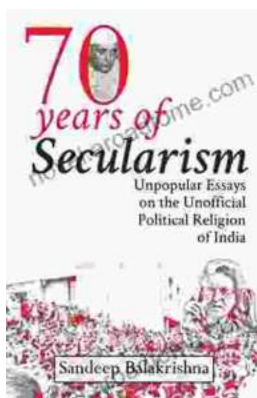Print length   : 290 pages

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