Advanced Synchronization Control and Bifurcation of Chaotic Fractional-Order Systems

Part of the Advances in Computer and Electrical Engineering Book Series

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Description:

In the recent years, fractional-order systems have been studied by many researchers in the engineering field. It was found that many systems can be described more accurately by fractional differential equations than by integer-order models.

Advanced Synchronization Control and Bifurcation of Chaotic Fractional-Order Systems is a scholarly publication that explores new developments related to novel chaotic fractional-order systems, control schemes, and their applications. Featuring coverage on a wide range of topics including chaos synchronization, nonlinear control, and cryptography, this publication is geared toward engineers, IT professionals, researchers, and upper-level graduate students seeking current research on chaotic fractional-order systems and their applications in engineering and computer science.
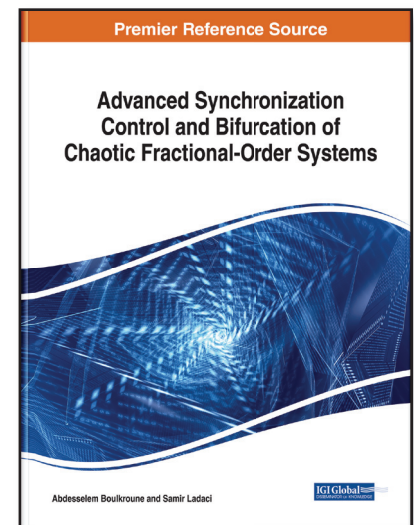
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Topics Covered:

- Adomian Decomposition Method
- Chaos Synchronization
- Cryptography
- Hyperchaotic Systems
- Information Processing
- Nonlinear Control
- Optimal Control
- Sliding Model Control

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