



## Advances and Applications in Chaotic Systems /

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Springer International Publishing :

Imprint: Springer,

2016

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Monografía

This book reports on the latest advances and applications of chaotic systems. It consists of 25 contributed chapters by experts who are specialized in the various topics addressed in this book. The chapters cover a broad range of topics of chaotic systems such as chaos, hyperchaos, jerk systems, hyperjerk systems, conservative and dissipative systems, circulant chaotic systems, multi-scroll chaotic systems, finance chaotic system, highly chaotic systems, chaos control, chaos synchronization, circuit realization and applications of chaos theory in secure communications, mobile robot, memristors, cellular neural networks, etc. Special importance was given to chapters offering practical solutions, modeling and novel control methods for the recent research problems in chaos theory. This book will serve as a reference book for graduate students and researchers with a basic knowledge of chaos theory and control systems. The resulting design procedures on the chaotic systems are emphasized using MATLAB software

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**Título:** Advances and Applications in Chaotic Systems edited by Sundarapandian Vaidyanathan, Christos Volos

**Edición:** 1st ed. 2016

**Editorial:** Cham Springer International Publishing Imprint: Springer 2016

**Descripción física:** 1 recurso en línea IX, 600 p. 344 illus., 262 illus. in color

**Mención de serie:** Studies in Computational Intelligence 1860-949X 636 Springer eBooks

**Contenido:** Synchronization Phenomena in Coupled Hyperchaotic Hidden Oscillators using a Nonlinear Open Loop Controller -- A Chaotic Hyperjerk System Based on Memristive Device -- A Novel Hyperjerk System with Two Cubic Nonlinearities and Its Adaptive Control -- A Novel Conservative Jerk Chaotic System with Two Cubic Nonlinearities and Its Backstepping Control -- Adaptive Backstepping Control, Synchronization and Circuit Simulation of a Novel Jerk Chaotic System with a Quartic Nonlinearity -- A Seven-Term Novel Jerk Chaotic System and Its Adaptive Control -- Adaptive Control and Circuit Simulation of a Novel 4-D Hyperchaotic System

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**Detalles del sistema:** Modo de acceso: World Wide Web

**ISBN:** 9783319302799 978-3-319-30279-9

**Materia:** Engineering Mathematical statistics Information storage and retrieval System theory Complexity, Computational Control engineering Engineering Control Systems Theory, Control Complexity Information Storage and Retrieval Probability and Statistics in Computer Science

**Autores:** Vaidyanathan, Sundarapandian., editor Volos, Christos., editor

**Entidades:** SpringerLink (Online service)

**Punto acceso adicional serie-Título:** Studies in Computational Intelligence 1860-949X 636

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