



1st ed. 2017, XII, 877 p. 468 illus., 175 illus. in color.

Printed book

Hardcover

249,99 € | £219.99 | \$299.99

^[1]267,49 € (D) | 274,99 € (A) | CHF 295,00

Softcover

249,99 € | £219.99 | \$299.99

^[1]267,49 € (D) | 274,99 € (A) | CHF 295,00

eBook

202,29 € | £175.50 | \$229.00

^[2]202,29 € (D) | 202,29 € (A) | CHF 236,00

Available from your library or springer.com/shop

MyCopy ^[3]

Printed eBook for just

€ | \$ 24.99

springer.com/mycopy

Ahmad Taher Azar, Sundarapandian Vaidyanathan, Adel Ouannas (Eds.)

Fractional Order Control and Synchronization of Chaotic Systems

Series: Studies in Computational Intelligence

- Offers a snapshot of the latest research on fractional order control and synchronization of chaotic systems
- Particularly focuses on intelligence-based methods
- Discusses a range of examples and case studies

The book reports on the latest advances in and applications of fractional order control and synchronization of chaotic systems, explaining the concepts involved in a clear, matter-of-fact style. It consists of 30 original contributions written by eminent scientists and active researchers in the field that address theories, methods and applications in a number of research areas related to fractional order control and synchronization of chaotic systems, such as: fractional chaotic systems, hyperchaotic systems, complex systems, fractional order discrete chaotic systems, chaos control, chaos synchronization, jerk circuits, fractional chaotic systems with hidden attractors, neural network, fuzzy logic controllers, behavioral modeling, robust and adaptive control, sliding mode control, different types of synchronization, circuit realization of chaotic systems, etc. In addition to providing readers extensive information on chaos fundamentals, fractional calculus, fractional differential equations, fractional control and stability, the book also discusses key applications of fractional order chaotic systems, as well as multidisciplinary solutions developed via control modeling. As such, it offers the perfect reference guide for graduate students, researchers and practitioners in the areas of fractional order control systems and fractional order chaotic systems.

Order online at springer.com / or for the Americas call (toll free) 1-800-SPRINGER / or email us at: customerservice@springernature.com. / For outside the Americas call +49 (0) 6221-345-4301 / or email us at: customerservice@springernature.com.

The first € price and the £ and \$ price are net prices, subject to local VAT. Prices indicated with [1] include VAT for books; the €(D) includes 7% for Germany, the €(A) includes 10% for Austria. Prices indicated with [2] include VAT for electronic products; 19% for Germany, 20% for Austria. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted. [3] No discount for MyCopy.

