



Analysis of observed chaotic data, H. D. I. Abarbanel, Springer, 1996, 0387945237, 9780387945231, 272 pages. This book emphasizes modern mathematical tools for investigating chaotic behavior. It leads readers from measuring one or more variables through building models of the source as a dynamical system, classifying the source by its dynamical characteristics, and finally predicting and controlling it..

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Chaos Near Resonance Methods and Applications, György Haller, 1999, Science, 427 pages. In addition, the theory is extended to infinite dimensions to cover resonances in certain nonlinear partial differential equations, such as single and coupled nonlinear

Nonlinear Dynamics in Physiology A State-space Approach, Mark Shelhamer, 2007, Science, 345 pages. This book provides a compilation of mathematical-computational tools that are used to analyze experimental data. The techniques presented are those that have been most widely

Chaos and its reconstruction , Gérard Gouesbet, S. Meunier-Guttin-Cluzel, O. Minard, 2003, , 320 pages. The editors (of the Université et Institut National des Sciences Appliquées de Rouen, France) present six chapters exploring the application of chaos theory to such topics as

Chaos from theory to applications, Anastasios A. Tsonis, 1992, Science, 274 pages. While many books have been written on chaos, this unique work bridges the gap between theory and application to help both scientists and students use the theory of nonlinear

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Turbulent mirror an illustrated guide to chaos theory and the science of wholeness, John Briggs, F. David Peat, 1989, Science, 222 pages. Written for the layperson, A Turbulent Mirror offers a perfect introduction to one of today's most popular and provocative areas of science--Chaos Theory. 100 photos and charts..

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An introduction to multivariate statistical analysis , Theodore Wilbur Anderson, Sep 28, 1984, , 675 pages. Multivariate Statistical Simulation Mark E. Johnson For the researcher in statistics, probability, and operations research involved in the design and execution of a computer

Trading on the Edge Neural, Genetic, and Fuzzy Systems for Chaotic Financial Markets, Guido Deboeck, Apr 14, 1994, Business & Economics, 377 pages. Experts from the world's major financial institutions contributed to this work and have already used the newest technologies. Gives proven strategies for using neural networks

Nonlinearities in action oscillations, chaos, order, fractals, A. V. Gaponov-Grekhov, M. I. Rabinovich, 1992, , 191 pages. This concise and comprehensive overview of nonlinear processes addresses all those interested in natural sciences and mathematics. It also contains a beautifully illustrated

Soft Computing and Its Applications , Rafik Aziz ogly Aliev, R. R. Aliev, Jan 1, 2001, Computers, 444 pages. .

In the Wake of Chaos Unpredictable Order in Dynamical Systems, Stephen H. Kellert, Jun 1, 1993, Science, 176 pages. Chaos theory has captured scientific and popular attention. What began as the discovery of randomness in simple physical systems has become a widespread fascination with

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