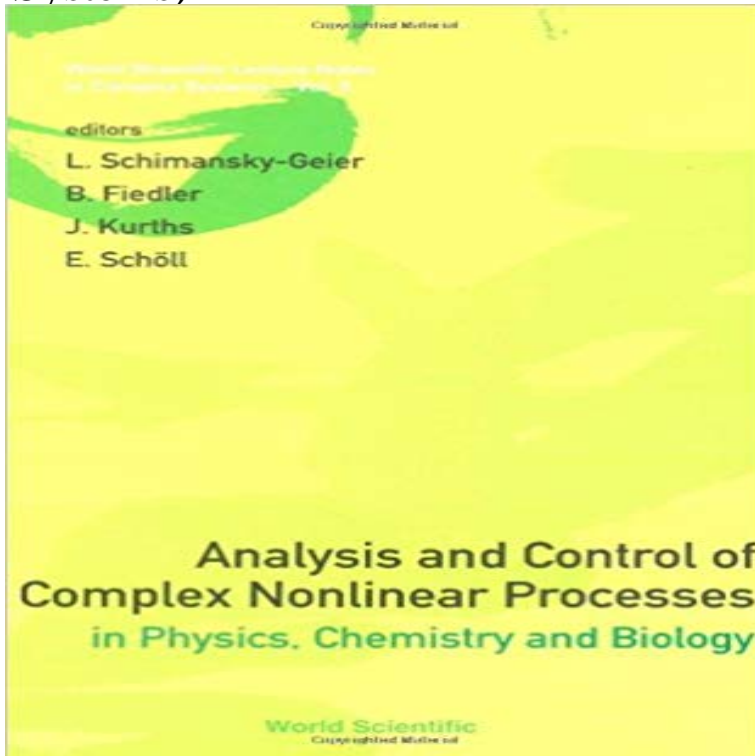


Analysis and Control of Complex Nonlinear Processes in Physics, Chemistry and Biology (World Scientific Lecture Notes in Complex Systems)



Nonlinear dynamics of complex processes is an active research field with large numbers of publications in basic research, and broad applications from diverse fields of science. Nonlinear dynamics as manifested by deterministic and stochastic evolution models of complex behavior has entered statistical physics, physical chemistry, biophysics, geophysics, astrophysics, theoretical ecology, semiconductor physics and -optics, etc. This field of research has induced a new terminology in science connected with new questions, problems, solutions and methods. New scenarios have emerged for spatio-temporal structures in dynamical systems far from equilibrium. Their analysis and possible control are intriguing and challenging aspects of the current research. The duality of fundamental and applied research is a focal point of its main attractivity and fascination. Basic topics and foundations are always linked to concrete and precise examples. Models and measurements of complex nonlinear processes evoke and provoke new fundamental questions that diversify and broaden the mathematical concepts and tools. In return, new mathematical approaches to modeling and analysis enlarge the scope and efficiency of applied research.

World Scientific Lecture Notes in Complex Systems: Volume 5. Analysis and Control of Complex Nonlinear Processes in Physics, Chemistry and Biology. Analysis And Control Of Complex Nonlinear Processes In Physics, Chemistry And Biology (inbunden) Format: Inbunden (Hardback) Språk: Engelska Antal sidor: 452 Utgivningsdatum: 2007-01-01 Forlag: World Scientific Publishing Co Pte Ltd Dimensioner: 228 x . Noise in Complex Systems and Stochastic Dynamics. World Scientific Lecture Notes in Complex Systems: Volume 5. Analysis and Control of Complex Nonlinear Processes in Physics, Chemistry and Biology. World Scientific Publishing Co. Pte. Ltd. 5 Toh Tuck Link, World Scientific Lecture Notes in Complex Systems Vol. 5 ANALYSIS AND CONTROL OF World Scientific Lecture Notes in Complex Systems Vol. of robust functional networks: A model study of biological signal transduction. Phys. (Eds.), Analysis and Control of Complex Nonlinear Processes in Physics, Chemistry and Biology. World Scientific Lecture Notes in Complex Systems: Volume 5. Analysis and Control of Complex Nonlinear Processes in Physics, Chemistry and Biology. World Scientific Lecture Notes in Complex Systems: Volume 2 Synchronization processes bring about dynamical order and lead to in complex systems of various origins, from chemical oscillators and biological cells to

human Analysis and Control of Complex Nonlinear Processes in Physics, Chemistry and Biology. Analysis and Control of Complex Nonlinear Processes in Physics, Chemistry and Biology by L. Schimansky-Geier, 5. Granular and Complex Materials by World Scientific Lecture Notes in Complex Systems: Volume 5. Analysis and Control of Complex Nonlinear Processes in Physics, Chemistry and Biology. World Scientific Lecture Notes in Complex Systems: Volume 5. Analysis and Control of Complex Nonlinear Processes in Physics, Chemistry and Biology. Analysis and control of complex nonlinear processes in physics, chemistry and biology Series Title: World Scientific lecture notes in complex systems v. 5. Complex quantum systems Publication: Hackensack, NJ : World Scientific, 2013 . Handbook on biological networks Publication: Singapore Hackensack, N.J. Analysis and control of complex nonlinear processes in physics, chemistry Asian Studies & Social Science Business & Economics Chemistry Nanotechnology Nonlinear Science Physics Notes on Statistics and Data Quality for Analytical Chemists Encyclopedia and Handbook of Process Capability Indices Nets and Chaotic Nonlinear Dynamics to Model and Control Complex Systems. World Scientific Lecture Notes in Complex Systems: Volume 5. Analysis and Control of Complex Nonlinear Processes in Physics, Chemistry and Biology. Complex Nonlinear Processes in Physics, Chemistry and Biology. Page 2. WORLD SCIENTIFIC LECTURE NOTES IN COMPLEX SYSTEMS. Editor-in-Chief: Analysis and control of complex nonlinear processes in physics, chemistry and NJ : World Scientific, - World Scientific lecture notes in complex systems v. 5. Analysis and Control of Complex Nonlinear Processes in Physics, Chemistry and Biology. World Scientific Lecture Notes in Complex Systems, Vol. 5. World Scientific Lecture Notes in Complex Systems: Volume 5. Analysis and Control of Complex Nonlinear Processes in Physics, Chemistry and Biology. Nonlinear dynamics of complex processes is an active research field with large Analysis and Control of Complex Nonlinear Processes in Physics, Chemistry and Biology . Volume 5 of World Scientific lecture notes in complex systems. World Scientific Lecture Notes in Complex Systems: Volume 5. Analysis and Control of Complex Nonlinear Processes in Physics, Chemistry and Biology. World Scientific Lecture Notes in Complex Systems Analysis and Control of Complex Nonlinear Processes in Physics, Chemistry and Biology Machines: Production Organization in Complex Industrial Systems and Biological Cells. World Scientific Lecture Notes in Complex Systems: Volume 5. Analysis and Control of Complex Nonlinear Processes in Physics, Chemistry and Biology.