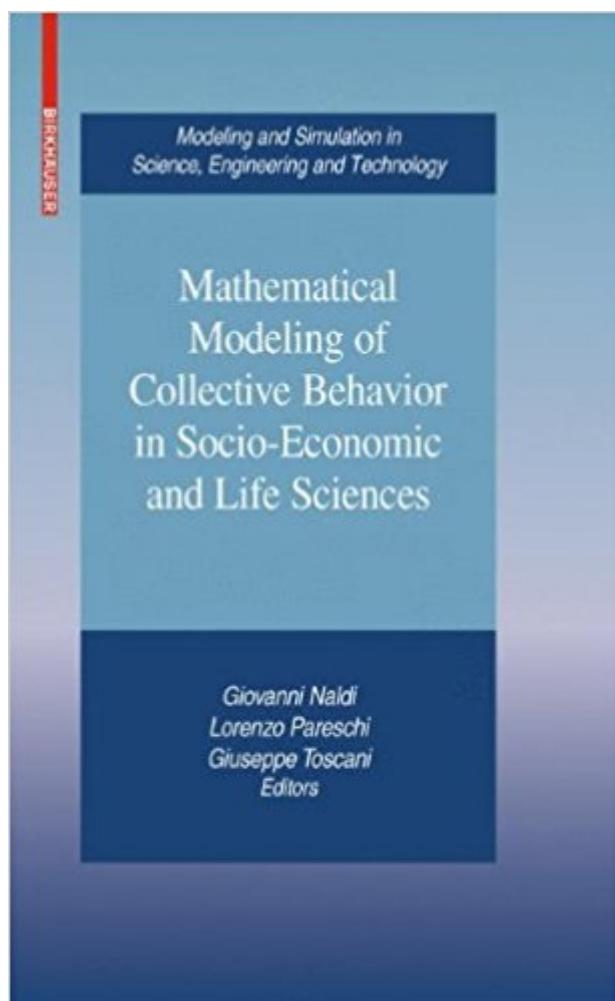


The book was found

# Mathematical Modeling Of Collective Behavior In Socio-Economic And Life Sciences (Modeling And Simulation In Science, Engineering And Technology)



## Synopsis

Using examples from finance and modern warfare to the flocking of birds and the swarming of bacteria, the collected research in this volume demonstrates the common methodological approaches and tools for modeling and simulating collective behavior. The topics presented point toward new and challenging frontiers of applied mathematics, making the volume a useful reference text for applied mathematicians, physicists, biologists, and economists involved in the modeling of socio-economic systems.

## Book Information

Series: Modeling and Simulation in Science, Engineering and Technology

Hardcover: 438 pages

Publisher: Birkhäuser; 2010 edition (August 30, 2010)

Language: English

ISBN-10: 081764945X

ISBN-13: 978-0817649456

Product Dimensions: 6.1 x 1 x 9.2 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,047,261 in Books (See Top 100 in Books) #500 in Books > Science & Math > Evolution > Game Theory #1036 in Books > Science & Math > Mathematics > Applied > Differential Equations #2637 in Books > Textbooks > Business & Finance > Finance

[Download to continue reading...](#)

Mathematical Modeling of Collective Behavior in Socio-Economic and Life Sciences (Modeling and Simulation in Science, Engineering and Technology) Perspectives for Agroecosystem Management:: Balancing Environmental and Socio-economic Demands Collective Trauma,

Collective Healing: Promoting Community Resilience in the Aftermath of Disaster (Psychosocial Stress Series) Organic Syntheses, Collective Volume 12 (Organic Syntheses Collective Volumes) Modeling and Simulation in Medicine and the Life Sciences (Texts in Applied Mathematics)

Simulation for Designing Clinical Trials: A Pharmacokinetic-Pharmacodynamic Modeling Perspective (Drugs and the Pharmaceutical Sciences) Mosfet Modeling for VLSI Simulation: Theory And Practice (International Series on Advances in Solid State Electronics) (International Series on Advances in Solid State Electronics and Technology) A Course in Mathematical Modeling (Mathematical Association of America Textbooks) Simulation, Second Edition: Programming

Methods and Applications (Statistical Modeling and Decision Science) Handbook of United States Economic and Financial Indicators, 2nd Edition (Bibliographies and Indexes in Economics and Economic History) Rural Economic Development, 1975-1993: An Annotated Bibliography (Bibliographies and Indexes in Economics and Economic History) Financial and Economic Analysis for Engineering and Technology Management Student Solutions Manual for Stewart/Day's Calculus for Life Sciences and Biocalculus: Calculus, Probability, and Statistics for the Life Sciences The Mathematical Olympiad Handbook: An Introduction to Problem Solving Based on the First 32 British Mathematical Olympiads 1965-1996 (Oxford Science Publications) Introduction to Modeling and Simulation of Technical and Physical Systems with Modelica Introduction to Device Modeling and Circuit Simulation FinFET Modeling for IC Simulation and Design: Using the BSIM-CMG Standard Switched Reluctance Motor Drives: Modeling, Simulation, Analysis, Design, and Applications (Industrial Electronics) Polymer Processing: Modeling and Simulation Applied Groundwater Modeling, Second Edition: Simulation of Flow and Advection Transport

[Dmca](#)