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Disciplina	003.3 006.312 332 510
Soggetti	Mathematical models Macroeconomics Game theory Physics Data mining Mathematical Modeling and Industrial Mathematics Macroeconomics/Monetary Economics//Financial Economics Game Theory, Economics, Social and Behav. Sciences Applications of Graph Theory and Complex Networks Data Mining and Knowledge Discovery
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Experimental design problems and Nash equilibrium solutions -- A Variational Approach to the Evolutionary Financial Equilibrium Problem with Memory Terms and Adaptive Constraints -- Robustness of sign correlation in market network analysis -- Two Classes of Games on Polyhedral Sets in Systems Economic Studies -- Densely Entangled Financial Systems -- Sigmoid Data Fitting by Least Squares Adjustment of Second and Third Divided Differences -- Financial Modeling under Multiple Criteria -- Agent-based Models of Stock Exchange: Analysis

via Computational Simulation -- Network Centrality and Key Economic Indicators: A Case Study -- Network structures uncertainty for different markets -- Complexity Analysis and Systemic Risk in Finance: Some Methodological Issues -- A Dynamic Network Economic Model of a Service-Oriented Internet with Price and Quality Competition -- European Business Cycle Synchronization: A Complex Network Perspective -- A Novel Banking Supervision Method using the Minimum Dominating Set.

Sommario/riassunto

Using network models to investigate the interconnectivity in modern economic systems allows researchers to better understand and explain some economic phenomena. This volume presents contributions by known experts and active researchers in economic and financial network modeling. Readers are provided with an understanding of the latest advances in network analysis as applied to economics, finance, corporate governance, and investments. Moreover, recent advances in market network analysis that focus on influential techniques for market graph analysis are also examined. Young researchers will find this volume particularly useful in facilitating their introduction to this new and fascinating field. Professionals in economics, financial management, various technologies, and network analysis, will find the network models presented in this book beneficial in analyzing the interconnectivity in modern economic systems.
