

1. Record Nr.	UNINA9910144749903321
Titolo	Econophysics and sociophysics [[electronic resource]] : trends and perspectives / / edited by Bikas K. Chakrabarti, Anirban Chakraborti, and Arnab Chatterjee
Pubbl/distr/stampa	Weinheim, : Wiley-VCH, c2006
ISBN	1-280-85442-1 9786610854424 3-527-60958-X 3-527-61000-6
Descrizione fisica	1 online resource (650 p.)
Altri autori (Persone)	ChakrabartiB. K <1952-> (Bikas K.) ChakrabortiAnirban ChatterjeeArnab
Disciplina	530.1595
Soggetti	Statistical physics Physics Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Econophysics and Sociophysics; Contents; Preface; List of Contributors; 1 A Thermodynamic Formulation of Economics; 1.1 Introduction; 1.2 Differential Forms; 1.2.1 Exact Differential Forms; 1.2.2 Not Exact Differential Forms; 1.2.3 The Integrating Factor; 1.2.4 The First and Second Law of Differential Forms; 1.2.5 Not Exact Differential Forms in Thermodynamics and Economics; 1.3 The First Law of Economics; 1.3.1 The First Law: Capital Balance of Production; 1.3.2 Work (W); 1.3.3 Surplus (Q); 1.3.4 Capital (E); 1.4 The Second Law of Economics 1.4.1 The Second Law: Existence of a System Function (S)1.4.2 The Integrating Factor (T); 1.4.3 Entropy and Production Function (S); 1.4.4 Pressure and Personal Freedom; 1.4.5 The Exact Differential (dS(T,V)); 1.4.6 The Maxwell Relation; 1.4.7 Lagrange Function; 1.5 Statistics; 1.5.1 Combinations; 1.5.2 Normal Distribution; 1.5.3 Polynomial Distribution; 1.5.4 Lagrange Function in Stochastic Systems; 1.5.5 Boltzmann Distribution; 1.6 Entropy in Economics; 1.6.1 Entropy as a

Production Function; 1.6.2 Entropy of Commodity Distribution; 1.6.3 Entropy of Capital Distribution
 1.6.4 Entropy of Production 1.6.5 Summary of Entropy; 1.7 Mechanism of Production and Trade; 1.7.1 The Carnot Process; 1.7.2 The Origin of Growth and Wealth; 1.7.3 World Trade Mechanism; 1.7.4 Returns; 1.8 Dynamics of Production: Economic Growth; 1.8.1 Two Interdependent Systems: Industry and Households; 1.8.2 Linear and Exponential Growth (0 1); 1.9 Conclusion; References; 2 Zero-intelligence Models of Limit-order Markets; 2.1 Introduction
 2.2 Possible Zero-intelligence Models 2.3 Data Analysis and Empirical Facts Regarding Statics; 2.4 Dynamics: Processes, Rates, and Relationships; 2.5 Resulting Model; 2.6 Results from the Model; 2.7 Analytic Studies: Introduction and Mean-field Approach; 2.8 Random-walk Analyses; 2.9 Independent Interval Approximation; 2.10 Concluding Discussion; References; 3 Understanding and Managing the Future Evolution of a Competitive Multi-agent Population; 3.1 Introduction; 3.2 A Game of Two Dice; 3.3 Formal Description of the System's Evolution; 3.4 Binary Agent Resource System
 3.5 Natural Evolution: No System Management 3.6 Evolution Management via Perturbations to Population's Composition; 3.7 Reducing the Future-Cast Formalism; 3.8 Concluding Remarks and Discussion; References; 4 Growth of Firms and Networks; 4.1 Introduction; 4.2 Growth of Firms; 4.2.1 Dataset of European Firms; 4.2.2 Pareto-Zipf's Law for Distribution; 4.2.3 Gibrat's Law for Growth; 4.2.4 Detailed Balance; 4.3 Pareto-Zipf and Gibrat under Detailed Balance; 4.3.1 Kinematics; 4.3.2 Growth of Firms and Universality of Zipf's Law; 4.4 Small and Mid-sized Firms
 4.4.1 Data for Small and Mid-sized Firms

Sommario/riassunto

Using tricks to handle coupled nonlinear dynamical many-body systems, several advancements have already been made in understanding the behavior of markets/economic/social systems and their dynamics. The book intends to provide the reader with updated reviews on such major developments in both econophysics and sociophysics, by leading experts in the respective fields. This is the first book providing a panoramic view of these developments in the last decade.

2. Record Nr.	UNINA990004213200403321
Autore	Baldi, Sergio <1909-1984>
Titolo	Sir Thomas Wyatt / by Sergio Baldi ; translated by F. T. Prince
Pubbl/distr/stampa	London, : Longmans Green, 1961
Descrizione fisica	42 p. ; 22 cm
Collana	Writers and their work
Locazione	FLFBC
Collocazione	P.3 BR.C.0155 ALPHA 4781
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia