



Sociophysics: An Introduction

By Parongama Sen, Bikas K. Chakrabarti

Download now

Read Online ➔

Sociophysics: An Introduction By Parongama Sen, Bikas K. Chakrabarti

This book discusses the study and analysis of the physical aspects of social systems and models, inspired by the analogy with familiar models of physical systems and possible applications of statistical physics tools. Unlike the traditional analysis of the physics of macroscopic many-body or condensed matter systems, which is now an established and mature subject, the upsurge in the physical analysis and modelling of social systems, which are clearly many-body dynamical systems, is a recent phenomenon. Though the major developments in sociophysics have taken place only recently, the earliest attempts of proposing "Social Physics" as a discipline are more than one and a half centuries old. Various developments in the mainstream physics of condensed matter systems have inspired and induced the recent growth of sociophysical analysis and models. In spite of the tremendous efforts of many scientists in recent years, the subject is still in its infancy and major challenges are yet to be taken up. An introduction to these challenges is the main motivation for this book.

↓ [Download Sociophysics: An Introduction ...pdf](#)

📖 [Read Online Sociophysics: An Introduction ...pdf](#)

Sociophysics: An Introduction

By Parongama Sen, Bikas K. Chakrabarti

Sociophysics: An Introduction By Parongama Sen, Bikas K. Chakrabarti

This book discusses the study and analysis of the physical aspects of social systems and models, inspired by the analogy with familiar models of physical systems and possible applications of statistical physics tools. Unlike the traditional analysis of the physics of macroscopic many-body or condensed matter systems, which is now an established and mature subject, the upsurge in the physical analysis and modelling of social systems, which are clearly many-body dynamical systems, is a recent phenomenon. Though the major developments in sociophysics have taken place only recently, the earliest attempts of proposing "Social Physics" as a discipline are more than one and a half centuries old. Various developments in the mainstream physics of condensed matter systems have inspired and induced the recent growth of sociophysical analysis and models. In spite of the tremendous efforts of many scientists in recent years, the subject is still in its infancy and major challenges are yet to be taken up. An introduction to these challenges is the main motivation for this book.

Sociophysics: An Introduction By Parongama Sen, Bikas K. Chakrabarti Bibliography

- Rank: #1556150 in Books
- Published on: 2014-01-01
- Original language: English
- Number of items: 1
- Dimensions: 6.90" h x .90" w x 9.80" l, 1.51 pounds
- Binding: Hardcover
- 304 pages

 [Download Sociophysics: An Introduction ...pdf](#)

 [Read Online Sociophysics: An Introduction ...pdf](#)

Editorial Review

Review

"This well-conceived and comprehensive volume offers a stimulating introduction to the physics of society, mainly from a statistical physicist's point of view. I recommend this book to novices and experienced readers alike - it covers an exciting range of research problems." -- Nicole J. Saam, Institute of Sociology, Friedrich-Alexander University of Erlangen-Nuremberg

"This book is written for those who have always wondered "Why couldn't we model society in a computer?" Sociophysics offers a new perspective on collective phenomena such as opinion formation, popularity, election outcomes, or economic and crowd dynamics. Sociophysics is on the rise. This book provides a nice introduction of some related models." -- Dirk Helbing, ETH Zürich

About the Author

Parongama Sen, *Associate Professor of Physics, Department of Physics, University of Calcutta, India*, Bikas K. Chakrabarti, *Professor of Physics, Saha Institute of Nuclear Physics, Kolkata, India*

Parongama Sen is Associate Professor of Physics at the University of Calcutta. Her research interests include phase transitions and critical phenomena, complex networks, physics of quantum and classical random walks, and applications of physics to social sciences.

Bikas K. Chakrabarti is Professor of Physics at the Saha Institute of Nuclear Physics, and Visiting Professor of Economics at the Indian Statistical Institute. He has research interests in statistical physics, condensed matter physics, physics of quantum glasses, annealing and computation, and applications of physics to social sciences.

Users Review

From reader reviews:

Josephine Lowe:

Nowadays reading books become more than want or need but also turn into a life style. This reading habit give you lot of advantages. The advantages you got of course the knowledge your information inside the book that will improve your knowledge and information. The details you get based on what kind of book you read, if you want drive more knowledge just go with schooling books but if you want feel happy read one together with theme for entertaining for example comic or novel. The actual Sociophysics: An Introduction is kind of reserve which is giving the reader unpredictable experience.

Daniel Gordon:

Reading can be called brain hangout, why? Because when you are reading a book mainly book entitled Sociophysics: An Introduction your mind will drift away through every dimension, wandering in each aspect that maybe unfamiliar for but surely can become your mind friends. Imaging every word written in a guide then become one web form conclusion and explanation that maybe you never get previous to. The Sociophysics: An Introduction giving you a different experience more than blown away your thoughts but also giving you useful data for your better life in this era. So now let us present to you the relaxing pattern this is your body and mind will probably be pleased when you are finished reading it, like winning an activity. Do you want to try this extraordinary wasting spare time activity?

Charles Simpson:

In this time globalization it is important to someone to receive information. The information will make professionals understand the condition of the world. The health of the world makes the information better to share. You can find a lot of sources to get information example: internet, newspapers, book, and soon. You can see that now, a lot of publisher in which print many kinds of book. Often the book that recommended for your requirements is Sociophysics: An Introduction this guide consist a lot of the information of the condition of this world now. This specific book was represented just how can the world has grown up. The words styles that writer use for explain it is easy to understand. The particular writer made some study when he makes this book. That's why this book ideal all of you.

Hugo Carter:

Do you like reading a guide? Confuse to looking for your chosen book? Or your book seemed to be rare? Why so many query for the book? But virtually any people feel that they enjoy intended for reading. Some people likes looking at, not only science book and also novel and Sociophysics: An Introduction as well as others sources were given understanding for you. After you know how the fantastic a book, you feel need to read more and more. Science reserve was created for teacher or even students especially. Those ebooks are helping them to put their knowledge. In other case, beside science guide, any other book likes Sociophysics: An Introduction to make your spare time far more colorful. Many types of book like here.

Download and Read Online Sociophysics: An Introduction By Parongama Sen, Bikas K. Chakrabarti #W2DHXY1R65I

Read Sociophysics: An Introduction By Parongama Sen, Bikas K. Chakrabarti for online ebook

Sociophysics: An Introduction By Parongama Sen, Bikas K. Chakrabarti Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Sociophysics: An Introduction By Parongama Sen, Bikas K. Chakrabarti books to read online.

Online Sociophysics: An Introduction By Parongama Sen, Bikas K. Chakrabarti ebook PDF download

Sociophysics: An Introduction By Parongama Sen, Bikas K. Chakrabarti Doc

Sociophysics: An Introduction By Parongama Sen, Bikas K. Chakrabarti Mobipocket

Sociophysics: An Introduction By Parongama Sen, Bikas K. Chakrabarti EPub

W2DHXY1R65I: Sociophysics: An Introduction By Parongama Sen, Bikas K. Chakrabarti