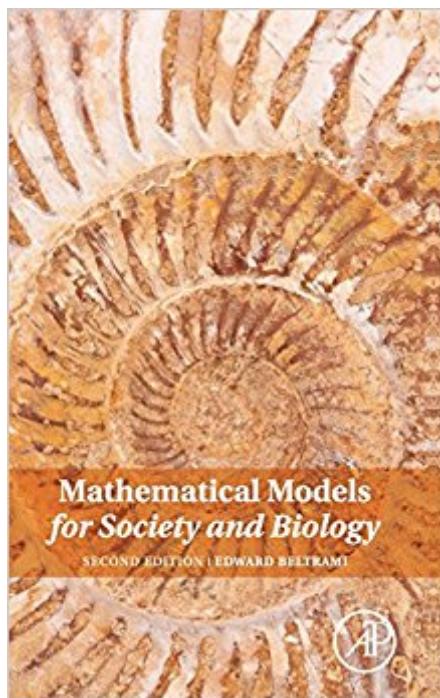The book was found

Mathematical Models For Society And Biology, Second Edition

Synopsis

Mathematical Models for Society and Biology, 2e, is a useful resource for researchers, graduate students, and post-docs in the applied mathematics and life science fields. Mathematical modeling is one of the major subfields of mathematical biology. A mathematical model may be used to help explain a system, to study the effects of different components, and to make predictions about behavior. Mathematical Models for Society and Biology, 2e, draws on current issues to engagingly relate how to use mathematics to gain insight into problems in biology and contemporary society. For this new edition, author Edward Beltrami uses mathematical models that are simple, transparent, and verifiable. Also new to this edition is an introduction to mathematical notions that every quantitative scientist in the biological and social sciences should know. Additionally, each chapter now includes a detailed discussion on how to formulate a reasonable model to gain insight into the specific question that has been introduced. Offers 40% more content Ã¢ ¬â œ 5 new chapters in addition to revisions to existing chapters Accessible for quick self study as well as a resource for courses in molecular biology, biochemistry, embryology and cell biology, medicine, ecology and evolution, bio-mathematics, and applied math in general Features expanded appendices with an extensive list of references, solutions to selected exercises in the book, and further discussion of various mathematical methods introduced in the book

Book Information

Hardcover: 288 pages

Publisher: Academic Press; 2 edition (July 12, 2013)

Language: English

ISBN-10: 012404624X

ISBN-13: 978-0124046245

Product Dimensions: 6 x 0.7 x 9 inches

Shipping Weight: 1.3 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,988,514 in Books (See Top 100 in Books)   #87 inÃ Â Books > Textbooks > Medicine & Health Sciences > Medicine > Basic Sciences > Embryology   #173 inÃ Â Books > Medical Books > Basic Sciences > Embryology   #474 inÃ Â Books > Computers & Technology > Computer Science > Bioinformatics

Customer Reviews

"Ã¢ ¬Â¦this is a very good introduction to mathematical modeling, one of the best that I have

seenÃ¢ ¬Â¦he presents his book as a reference or a tool for self-study by mathematically prepared undergraduates who wish to see interesting and unusual applications in the biological and social sciencesÃ¢ ¬Â¦This is a delightful book. By design it is not a textbook, but it would be a wonderful accompaniment to any course in modeling."--MMA.org, February 17, 2014

Mathematical Models for Society and Biology, Second Edition Simple Mathematical Models of Gene Regulatory Dynamics (Lecture Notes on Mathematical Modelling in the Life Sciences) Mathematical Biology II: Spatial Models and Biomedical Applications (Interdisciplinary Applied Mathematics) (v. 2) Mathematical Models In Biology An Introduction to Systems Biology: Design Principles of Biological Circuits (Chapman & Hall/CRC Mathematical and Computational Biology) Statistics and Data Analysis for Microarrays Using R and Bioconductor, Second Edition (Chapman & Hall/CRC Mathematical and Computational Biology) Developmental Biology, Ninth Edition (Developmental Biology Developmental Biology) Young Scientists: Learning Basic Biology (Ages 9 and Up): Biology Books for Kids (Children's Biology Books) Westward Bound: Sex, Violence, the Law, and the Making of a Settler Society (Law and Society Series Published in association with the Osgoode Society for Canadian Legal History) Transcultural Nursing Theory and Models: Application in Nursing Education, Practice, and Administration (Sager, Transcultural Nursing Theory and Models) Art Models 10: Photos for Figure Drawing, Painting, and Sculpting (Art Models series) Art Models 10 Companion Disk: Photos for Figure Drawing, Painting, and Sculpting (Art Models series) Art Models 6: The Female Figure in Shadow and Light (Art Models series) Markov Models: Understanding Data Science, Markov Models, and Unsupervised Machine Learning in Python Raw Amateur Models: MILF Daily Boob Flash - Gemma Rae, Vol. 2, Naked and Nude Glamour Photos (Raw Amateur Models: Gemma Rae) The Voyeur Collection: Wedding Lingerie Models Picture Book - Vol 14: Beautiful and Sexy Photo of Wedding Lingerie Female Models (The Voyeur Collection Picture Book) Decals: How to hand paint details on plastic models, Gunpla, and other scale models Sexy Seductive Lingerie & Boudoir Poses 1000 Positions Photographs: Fashion Models, Pin-Ups, Fashion Photographers, Figure Model, Artists & Art Models Art Models Trisha009: Figure Drawing Pose Reference (Art Models Poses) Art Models Ginger040: Figure Drawing Pose Reference (Art Models Poses)

Privacy

FAQ & Help