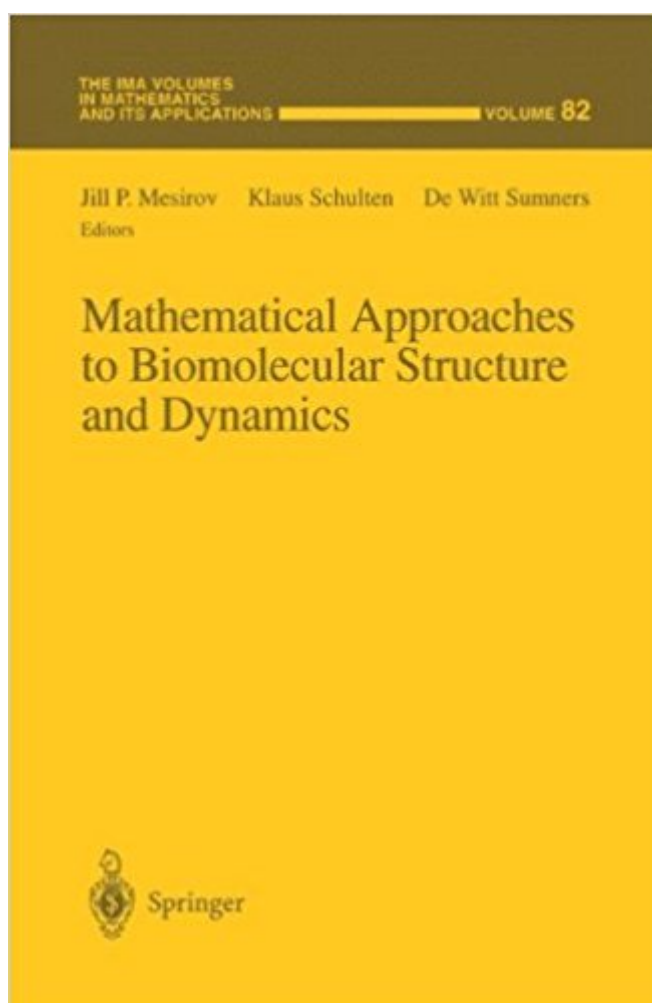


The book was found

Mathematical Approaches To Biomolecular Structure And Dynamics (The IMA Volumes In Mathematics And Its Applications)



Synopsis

This IMA Volume in Mathematics and its Applications MATHEMATICAL APPROACHES TO BIOMOLECULAR STRUCTURE AND DYNAMICS is one of the two volumes based on the proceedings of the 1994 IMA Summer Program on "Molecular Biology" and comprises Weeks 3 and 4 of the four-week program. Weeks 1 and 2 appeared as Volume 81: Genetic Mapping and DNA Sequencing. We thank Jill P. Mesirov, Klaus Schulten, and De Witt Sumners for organizing Weeks 3 and 4 of the workshop and for editing the proceedings. We also take this opportunity to thank the National Institutes of Health (NIH) (National Center for Human Genome Research), the National Science Foundation (NSF) (Biological Instrumentation and Resources), and the Department of Energy (DOE), whose financial support made the summer program possible.

Author: Friedman Robert Gulliver
PREFACE The revolutionary progress in molecular biology within the last 30 years opens the way to full understanding of the molecular structures and mechanisms of living organisms. Interdisciplinary research in mathematics and molecular biology is driven by ever growing experimental, theoretical and computational power. The mathematical sciences accompany and support much of the progress achieved by experiment and computation as well as provide insight into geometric and topological properties of biomolecular structure and processes. This volume consists of a representative sample of the papers presented during the last two weeks of the month-long Institute for Mathematics and Its Applications Summer 1994 Program in Molecular Biology.

Book Information

Series: The IMA Volumes in Mathematics and its Applications (Book 82)

Hardcover: 254 pages

Publisher: Springer; 1996 edition (August 29, 1996)

Language: English

ISBN-10: 0387948384

ISBN-13: 978-0387948386

Product Dimensions: 6.1 x 0.6 x 9.2 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,248,824 in Books (See Top 100 in Books) #72 in Books > Science & Math > Mathematics > Applied > Biomathematics #1743 in Books > Science & Math > Biological Sciences > Biology > Molecular Biology #5287 in Books > Science & Math >

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

Mathematical Approaches to Biomolecular Structure and Dynamics (The IMA Volumes in Mathematics and its Applications) Graph Theory and Sparse Matrix Computation (The IMA Volumes in Mathematics and its Applications) The Wonders of the Colorado Desert (Southern California), Vol. 1 of 2: Its Rivers and Its Mountains, Its Canyons and Its Springs, Its Life and Its ... Journey Made Down the Overflow of the Colo Simple Mathematical Models of Gene Regulatory Dynamics (Lecture Notes on Mathematical Modelling in the Life Sciences) CRC Standard Mathematical Tables and Formulae, 29th Edition (Discrete Mathematics and Its Applications) Introduction to Mathematical Logic, Sixth Edition (Discrete Mathematics and Its Applications) Introduction to Mathematical Logic, Fourth Edition (Discrete Mathematics and Its Applications) Symbolism, Its Origins and Its Consequences (Art, Literature and Music in Symbolism, Its Origins and Its) Handbook of Mathematical Functions: with Formulas, Graphs, and Mathematical Tables (Dover Books on Mathematics) From Neural Networks and Biomolecular Engineering to Bioelectronics (Electronics and Biotechnology Advanced (Elba) Forum Series) Tinian, then and now: Photos of World War II and today, guide map, interesting facts = Tinian, mukashi to ima Biomolecular Crystallography: Principles, Practice, and Application to Structural Biology Biomolecular Thermodynamics: From Theory to Application (Foundations of Biochemistry and Biophysics) ENGLISH - SPANISH Picture Dictionary (INGLÉS - ESPAÑOL Diccionario de Imágenes) (Spanish Edition) DINOSAURIOS PARA NIÑOS: Imágenes asombrosas y datos curiosos (35+ Ilustraciones nº 1) (Spanish Edition) Therapeutic Oligonucleotides: RSC (RSC Biomolecular Sciences) Applied Functional Analysis: Applications to Mathematical Physics (Applied Mathematical Sciences) (v. 108) Principles of Mathematical Analysis (International Series in Pure and Applied Mathematics) (International Series in Pure & Applied Mathematics) Mathematical Proofs: A Transition to Advanced Mathematics (3rd Edition) (Featured Titles for Transition to Advanced Mathematics) An Introduction to Mathematical Finance with Applications: Understanding and Building Financial Intuition (Springer Undergraduate Texts in Mathematics and Technology)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

