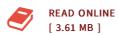




Mathematical Methods Applied to Biosystems

By Cornejo-Perez, Octavio / Rosu, Haret C.

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Factorization of Differential Equations and Feedback Synchronization | A lot of new applications of main disciplines such as physics, mathematics, and engineering to the study of biological systems arise at an impressive rate. The mathematically-oriented research of biosystems can lead to useful ways of understanding and transforming many naturally-ocurring mechanisms in such systems. This book provides two different mathematical approaches for studying some processes at the intracellular and cell membrane level, as well as their application to other interesting problems in physics. The first part deals with factorization and supersymmetric methods, developed in the context of mathematical-physics, as applied to the polymerization of tubulin dimers and the motion of domain walls in microtubules, which are one of the basic components of cell skeleton. The second part deals with the control of neuronal dynamics through synchronization in a minimal ensemble of two Hodgkin-Huxley neurons by using the nonlinear control theory. These methods may be especially useful to proffesionals in the fields of physics, mathematics, control theory, biology, and to anyone else who may be interested in interdisciplinary scientific investigations. | Format: Paperback | Language/Sprache: english | 116 pp.



Reviews

This pdf is really gripping and exciting. Yes, it is actually perform, nevertheless an amazing and interesting literature. I am just effortlessly can get a pleasure of looking at a published pdf.

-- Tony Dickens

Definitely one of the better book We have possibly read. We have read through and i also am certain that i am going to gonna study once again yet again in the foreseeable future. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- Enrique Labadie

Other PDFs



The tunnel book (full two most creative Tong Shujia for European and American media as creating a(Chinese Edition)

Hardcover. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. HardCover. Pub Date: Unknown Pages: full 2? Publisher: Anhui Children's Publishing House List Price: 75.00 yuan of: (law) Isabel compilation. Zhang...



Children's Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]

Createspace, United States, 2013. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****. ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to expand and inspire young minds; this is...



Children's Educational Book Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]

Createspace, United States, 2013. Paperback. Book Condition: New. 248 x 170 mm. Language: English . Brand New Book ***** Print on Demand *****. ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to expand and inspire young minds; this is...



On Becoming Baby Wise, Book Two: Parenting Your Five to Twelve-Month Old Through the Babyhood Transition Parent-Wise Solutions, 2012. Paperback. Book Condition: New. BRAND NEW, Perfect Shape, No Black Remainder Mark, Fast Shipping With Online Tracking, International Orders shipped Global Priority Air Mail, All orders handled with care and shipped promptly in

with Online Tracking, International Orders shipped Global Priority Air Mail, All orders handled with care and shipped promptly is secure packaging, we ship Mon-Sat and send...



Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications.

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the...



Ne ma Goes to Daycare

AUTHORHOUSE, United States, 2015. Paperback. Book Condition: New. 216 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****. This book is about a little biracial (African American/Caucasian) girl s first day of daycare and preparing her for kindergarten....