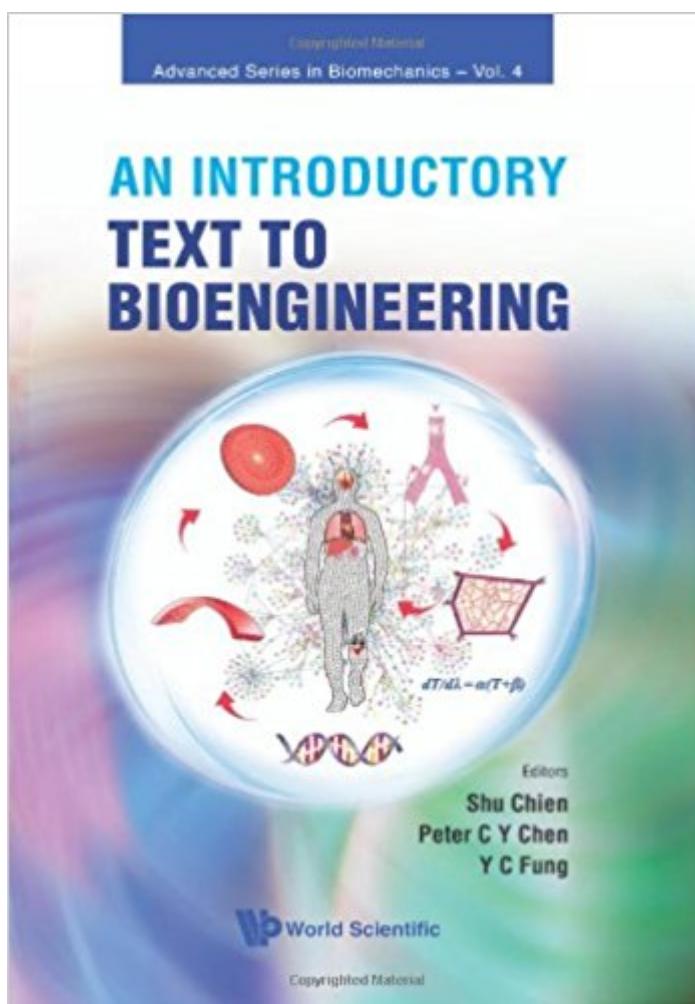


The book was found

# An Introductory Text To Bioengineering (Advanced Series In Biomechanics) (Advanced Series In Biomechanics (Paperback))



## Synopsis

This bestselling textbook will introduce undergraduate bioengineering students to the fundamental concepts and techniques, with the basic theme of integrative bioengineering. It covers bioengineering of several body systems, organs, tissues, and cells, integrating physiology at these levels with engineering concepts and approaches; novel developments in tissue engineering, regenerative medicine, nanoscience and nanotechnology; state-of-the-art knowledge in systems biology and bioinformatics; and socio-economic aspects of bioengineering. One of the distinctive features of the book is that it is integrative in nature (integration of biology, medicine and engineering, across different levels of the biological hierarchy, and basic knowledge with applications). It is unique in that it covers fundamental aspects of bioengineering, cutting-edge frontiers, and practical applications, as well as perspectives of bioengineering development. Furthermore, it covers important socio-economical aspects of bioengineering such as ethics and entrepreneurship. Contents: Perspectives of Biomechanics (Y-C B Fung & W Huang); Cardiac Electromechanics in the Healthy Heart (R C P Kerckhoffs & A D McCulloch); Cardiac Biomechanics and Disease (J H Omens); Bioengineering Solution for the Treatment of Heart Failure (J T Watson & S Chien); Molecular Basis of Modulation of Vascular Functions by Mechanical Forces (S Chien); Autoregulation of Blood Flow: Examining the Process of Scientific Discovery (P C Johnson); Molecular Basis of Cell and Membrane Mechanics (L A Sung); Cell Activation in the Circulation: The Auto-Digestion Hypothesis (G W Schmid-Schönbein);

## Book Information

Series: Advanced Series in Biomechanics (Paperback) (Book 4)

Paperback: 564 pages

Publisher: World Scientific Publishing Company; 2nd edition (May 27, 2008)

Language: English

ISBN-10: 9812707948

ISBN-13: 978-9812707949

Product Dimensions: 7 x 1.3 x 10.1 inches

Shipping Weight: 2.6 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #535,975 in Books (See Top 100 in Books) #21 in Books > Medical Books > Medicine > Prosthesis #88 in Books > Textbooks > Medicine & Health Sciences > Medicine > Biotechnology #141 in Books > Science & Math > Biological Sciences > Biology > Developmental

## Biology

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

An Introductory Text to Bioengineering (Advanced Series in Biomechanics) (Advanced Series in Biomechanics (Paperback)) Biomedical Engineering Principles Of The Bionic Man (Series on Bioengineering & Biomedical Engineering) (Bioengineering & Biomedical Engineering (Paperback)) St Mary's BSc Sports Science Bundle: Physiology and Biomechanics: Introduction to Sports Biomechanics: Analysing Human Movement Patterns [Paperback] [2007] (Author) Roger Bartlett Introductory Biomechanics: From Cells to Organisms (Cambridge Texts in Biomedical Engineering) Texting Women: 7 Simple Steps From Text to Sex (Flirty Texts, Texting Girls, How To Text Girls, Art Seduction, How to Seduce a Woman, Funny Text, Pick Up Women, Funny Pick Up Lines, Picking Up Women) Dynamics of the Vascular System (Series on Bioengineering & Biomedical Engineering - Vol. 1) Preparative Chromatography for Separation of Proteins (Wiley Series in Biotechnology and Bioengineering) Neuroprosthetics: Theory and Practice (Series on Bioengineering & Biomedical Engineering - Vol. 2) Service Characteristics of Biomedical Materials and Implants (Series on Biomaterials and Bioengineering) Life-Enhancing Plastics: Plastics and Other Materials in Medical Applications (Series on Biomaterials and Bioengineering) Bioengineering Fundamentals Bioengineering Fundamentals (2nd Edition) Platelet-Rich Plasma: Regenerative Medicine: Sports Medicine, Orthopedic, and Recovery of Musculoskeletal Injuries (Lecture Notes in Bioengineering) Numerical and Statistical Methods for Bioengineering (Cambridge Texts in Biomedical Engineering) Numerical and Statistical Methods for Bioengineering: Applications in MATLAB (Cambridge Texts in Biomedical Engineering) Bioengineering (The Biotechnology Revolution) Introductory DC/AC Electronics And Introductory DC/AC Circuits: Laboratory Manual, 6th Edition Meat Science: An Introductory Text (Modular Texts Series) Introduction to Coastal Engineering and Management (Advanced Series on Ocean Engineering) (Advanced Series on Ocean Engineering (Paperback)) Introductory Lakota CDs & Text

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)