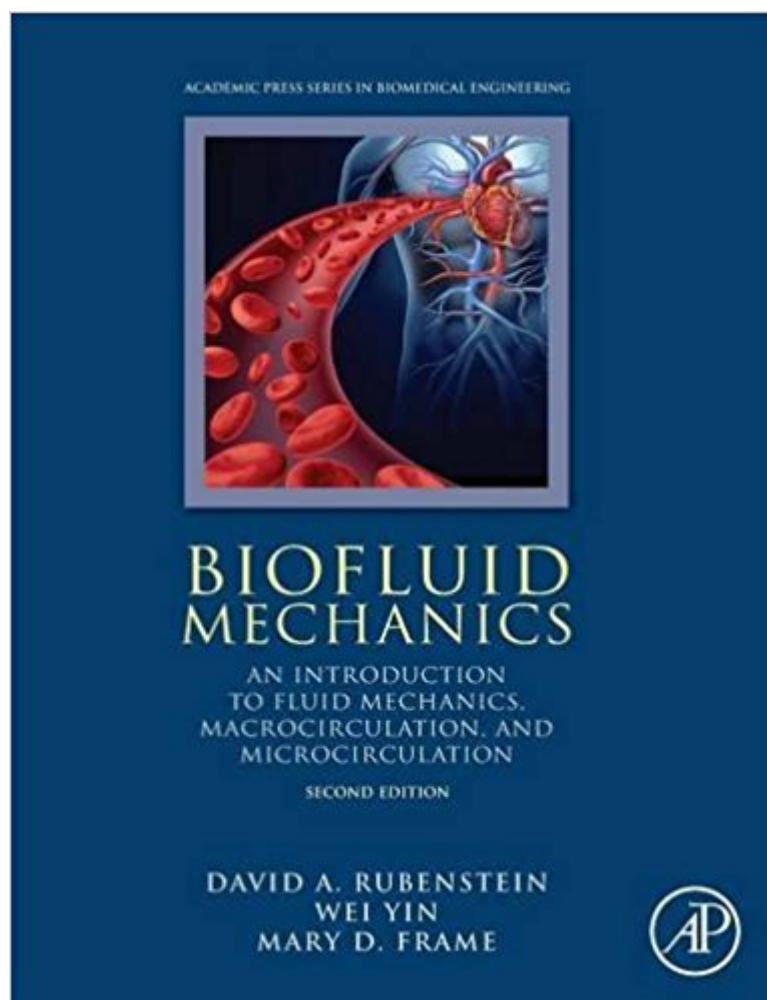




Ebook Directory
the best source of ebook

The book was found

Biofluid Mechanics, Second Edition: An Introduction To Fluid Mechanics, Macrocirculation, And Microcirculation (Biomedical Engineering)





Synopsis

Biofluid Mechanics: An Introduction to Fluid Mechanics, Macrocirculation, and Microcirculation shows how fluid mechanics principles can be applied not only to blood circulation, but also to air flow through the lungs, joint lubrication, intraocular fluid movement, renal transport among other specialty circulations. This new second edition increases the breadth and depth of the original by expanding chapters to cover additional biofluid mechanics principles, disease criteria, and medical management of disease, with supporting discussions of the relevance and importance of current research. Calculations related both to the disease and the material covered in the chapter are also now provided. Uses language and math that is appropriate and conducive for undergraduate learning, containing many worked examples and end-of-chapter problems. Develops all engineering concepts and equations within a biological context. Covers topics in the traditional biofluids curriculum, and addresses other systems in the body that can be described by biofluid mechanics principles. Discusses clinical applications throughout the book, providing practical applications for the concepts discussed. **NEW:** Additional worked examples with a stronger connection to relevant disease conditions and experimental techniques. **NEW:** Improved pedagogy, with more end-of-chapter problems, images, tables, and headings, to better facilitate learning and comprehension of the material.

Book Information

Series: Biomedical Engineering

Hardcover: 544 pages

Publisher: Academic Press; 2 edition (August 28, 2015)

Language: English

ISBN-10: 0128009446

ISBN-13: 978-0128009444

Product Dimensions: 7.5 x 1.2 x 9.2 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #414,133 in Books (See Top 100 in Books) #82 in Books > Science & Math > Biological Sciences > Biophysics #110 in Books > Engineering & Transportation > Engineering > Mechanical > Hydraulics #136 in Books > Engineering & Transportation > Engineering > Bioengineering > Biomedical Engineering

Customer Reviews

"...a systematic teaching and learning tool for students, as well as an effective educational structure to aid in the learning of biofluid mechanics...Every chapter of this textbook concludes with a summary that reiterates the salient points and key equations." --Zentralblatt MATH

very good shape

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

Biofluid Mechanics, Second Edition: An Introduction to Fluid Mechanics, Macrocirculation, and Microcirculation (Biomedical Engineering) Biomedical Engineering Principles Of The Bionic Man (Series on Bioengineering & Biomedical Engineering) (Bioengineering & Biomedical Engineering (Paperback)) Biofluid Mechanics in Cardiovascular Systems (McGraw-Hill's Biomedical Engineering) Biomedical Ethics for Engineers: Ethics and Decision Making in Biomedical and Biosystem Engineering (Biomedical Engineering Series) Biomedical Engineering Fundamentals (The Biomedical Engineering Handbook, Fourth Edition) (Volume 1) Biomedical Engineering: Bridging Medicine and Technology (Cambridge Texts in Biomedical Engineering) Biomedical Engineering for Global Health (Cambridge Texts in Biomedical Engineering) An Introduction to Modeling of Transport Processes: Applications to Biomedical Systems (Cambridge Texts in Biomedical Engineering) Computational Fluid Mechanics and Heat Transfer, Second Edition (Series in Computational and Physical Processes in Mechanics and Thermal Sciences) Foundations of Biomedical Ultrasound (Biomedical Engineering Series) Fluid Mechanics for Chemical Engineers (UK Higher Education Engineering Chemical Engineering) Introduction to Thermal Systems Engineering: Thermodynamics, Fluid Mechanics, and Heat Transfer A Brief Introduction to Fluid Mechanics (Mechanical Engineering) Introduction to Medical Imaging: Physics, Engineering and Clinical Applications (Cambridge Texts in Biomedical Engineering) An Introduction to Rehabilitation Engineering (Series in Medical Physics and Biomedical Engineering) Introduction to Biomaterials: Basic Theory with Engineering Applications (Cambridge Texts in Biomedical Engineering) Signals and Systems for Bioengineers, Second Edition: A MATLAB-Based Introduction (Biomedical Engineering) Engineering Mechanics: Statics Plus MasteringEngineering with Pearson eText -- Access Card Package (14th Edition) (Hibbeler, The Engineering Mechanics: Statics & Dynamics Series, 14th Edition) Computational Fluid Mechanics and Heat Transfer, Third Edition (Series in Computational and Physical Processes in Mechanics and Thermal Sciences) Reinforced Concrete: Mechanics and Design (4th Edition) (Civil Engineering and Engineering Mechanics)

Contact Us

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)