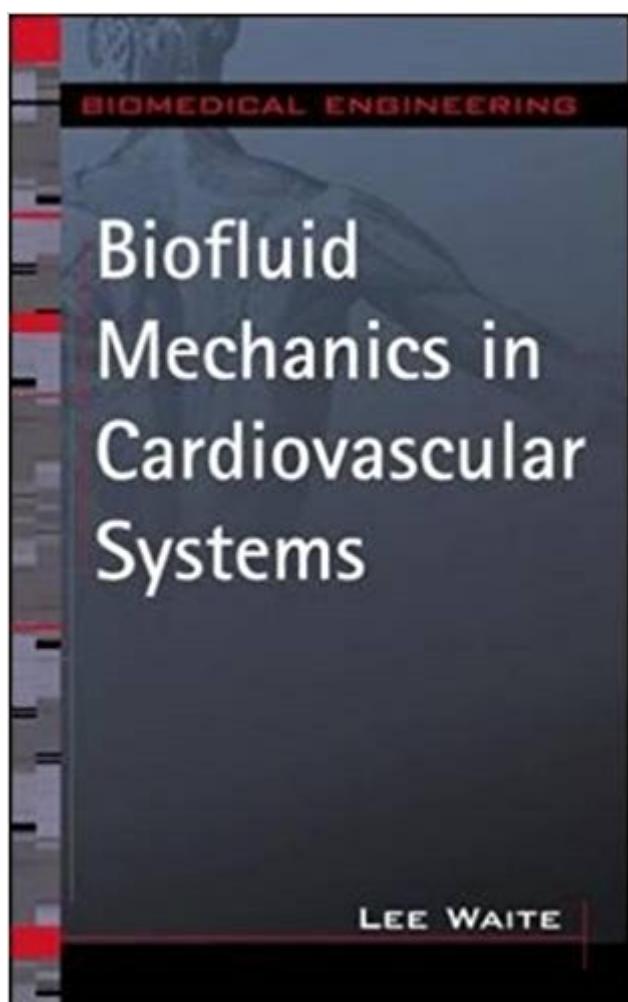


The book was found

Biofluid Mechanics In Cardiovascular Systems (McGraw-Hill's Biomedical Engineering)



Synopsis

Biofluidics has gained in importance in recent years, forcing engineers to redefine mechanical engineering theories and apply them to biological functions. To date, no book has successfully done this. Biofluid Mechanics in Cardiovascular Systems is one of the first books to take an interdisciplinary approach to the subject. Written by a professor and researcher, this book will combine engineering principles with human biology to deliver a text specifically designed for biomedical engineering professionals and students.

Book Information

Series: McGraw-Hill's Biomedical Engineering

Hardcover: 201 pages

Publisher: McGraw-Hill Education; 1 edition (December 6, 2005)

Language: English

ISBN-10: 0071447881

ISBN-13: 978-0071447881

Product Dimensions: 6 x 0.9 x 9.1 inches

Shipping Weight: 14.4 ounces (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars 1 customer review

Best Sellers Rank: #3,651,800 in Books (See Top 100 in Books) #32 in Books > Textbooks > Medicine & Health Sciences > Medicine > Special Topics > Prostheses #160 in Books > Medical Books > Medicine > Prostheses #565 in Books > Textbooks > Medicine & Health Sciences > Allied Health Services > Medical Technology

Customer Reviews

Cutting-Edge Guide to the Understanding and Applications of Blood Flow Written by a distinguished professor and researcher, Biofluid Mechanics in Cardiovascular Systems is one of the first books to take an interdisciplinary approach to the subject. This unique resource combines engineering principles with cardiopulmonary anatomy and physiology to give biomedical engineers essential background for designing and implementing arterial grafts, anastomosis devices, and heart valves. Detailed coverage of mechanical engineering theories and their practical application to biological functions Presents an engineering analysis of the cardiovascular system relevant to the pathophysiology, diagnosis, prevention, and treatment of cardiovascular diseases Specifically designed for biomedical engineering professionals and students, it looks at the important area of biofluidics from an engineering perspective rather than a clinical one Explains the functional

anatomy and physiology of the human heart Examines the pressure-flow relationship in arteries and the elastic properties of arterial walls Treats the application of imaging techniques on left ventricular dynamics Presents theoretical and experimental studies of pulsatile flow in large vessels INSIDE Biofluid Mechanics in Cardiovascular Systems * Introduction and review of basic fluids concepts * Cardiopulmonary anatomy and physiology * Hematology * Structure and physiology of blood vessels * Heart mechanics * Heart valve mechanics * Pulsatile flow in large arteries * Flow and pressure measurement * Dimensional analysis and modeling

Lee Waite is Chair of the Department of Applied Biology and Biomedical Engineering, and Director of the Guidant/Eli Lilly and Co. Applied Life Sciences Research Center, at the Rose-Hulman Institute of Technology in Terre Haute, Indiana. He is also the president of the Rocky Mountain Bioengineering Symposium (RMBS). Held annually since 1964, the RMBS is the longest continually operating biomedical engineering conference in North America.

satisfied. I will recommend it to my friend. Best investment ever at a great price great, my family all need it ,

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

Biofluid Mechanics in Cardiovascular Systems (McGraw-Hill's Biomedical Engineering) 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)) Biomedical Ethics for Engineers: Ethics and Decision Making in Biomedical and Biosystem Engineering (Biomedical Engineering Series) An Introduction to Modeling of Transport Processes: Applications to Biomedical Systems (Cambridge Texts in Biomedical Engineering) Biomedical Engineering: Bridging Medicine and Technology (Cambridge Texts in Biomedical Engineering) Biomedical Engineering for Global Health (Cambridge Texts in Biomedical Engineering) Biomedical Engineering Fundamentals (The Biomedical Engineering Handbook, Fourth Edition) (Volume 1) McGraw-Hill Education 500 Financial Accounting and Reporting Questions for the CPA Exam (McGraw-Hill's 500 Questions) McGraw-Hill Education 500 Auditing and Attestation Questions for the CPA Exam (McGraw-Hill's 500 Questions) The McGraw-Hill 36-Hour Course: Finance for Non-Financial Managers 3/E (McGraw-Hill 36-Hour Courses) McGraw-Hill Education 500 Regulation Questions for the CPA Exam (McGraw-Hill's 500 Questions) McGraw-Hill Education 500 Business Environment and Concepts Questions for the CPA Exam

(McGraw-Hill's 500 Questions) Product Management [McGraw-Hill/Irwin Series in Marketing] by Lehmann,Donald, Winer,Russell [McGraw-Hill/Irwin,2004] [Hardcover] 4TH EDITION McGraw-Hill's National Electrical Code 2017 Handbook, 29th Edition (Mcgraw Hill's National Electrical Code Handbook) McGraw-Hill Education: 10 ACT Practice Tests, Fifth Edition (Mcgraw-Hill's 10 Act Practice Tests) McGraw-Hill Education: Top 50 ACT Math Skills for a Top Score, Second Edition (Mcgraw-Hill Education Top 50 Skills for a Top Score) McGraw-Hill Education 10 ACT Practice Tests, Fourth Edition (Mcgraw-Hill's 10 Act Practice Tests) McGraw-Hill's 500 ACT English and Reading Questions to Know by Test Day (Mcgraw Hill's 500 Questions to Know By Test Day) McGraw-Hill Education: Top 50 ACT English, Reading, and Science Skills for a Top Score, Second Edition (Mcgraw-Hill Education Top 50 Skills for a Top Score)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)