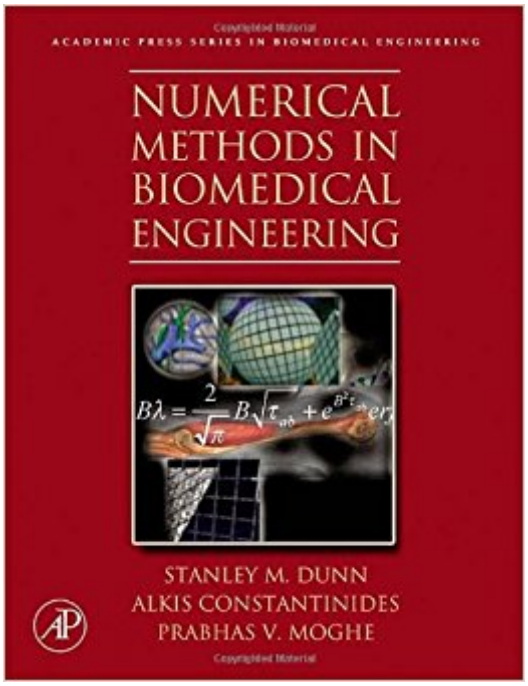
Numerical Methods In Biomedical Engineering



Synopsis

Numerical Modeling in Biomedical Engineering brings together the integrative set of computational problem solving tools important to biomedical engineers. Through the use of comprehensive homework exercises, relevant examples and extensive case studies, this book integrates principles and techniques of numerical analysis. Covering biomechanical phenomena and physiologic, cell and molecular systems, this is an essential tool for students and all those studying biomedical transport, biomedical thermodynamics & kinetics and biomechanics.Supported by Whitaker Foundation Teaching Materials Program; ABET-oriented pedagogical layoutExtensive hands-on homework exercises

Book Information

Series: Biomedical Engineering

Hardcover: 632 pages

Publisher: Academic Press; 1 edition (November 21, 2005)

Language: English

ISBN-10: 0121860310

ISBN-13: 978-0121860318

Product Dimensions: 7.7 x 1.6 x 9.5 inches

Shipping Weight: 3.2 pounds (View shipping rates and policies)

Average Customer Review: 2.3 out of 5 stars 3 customer reviews

Best Sellers Rank: #56,909 in Books (See Top 100 in Books) #16 inÂ Books > Engineering & Transportation > Engineering > Bioengineering > Biomedical Engineering #32 inÂ Books > Engineering & Transportation > Engineering > Bioengineering > Biotechnology #33 inÂ Books > Textbooks > Medicine & Health Sciences > Allied Health Services > Medical Technology

Customer Reviews

"...an excellent and well-rounded introduction to numerical analysis, which also provides a stimulating overview of the field of biomedical engineering." - Biotechnology Focus, 2006

Numerical modeling fundamentals and applications for bioengineers.

The book does give u a general idea of Maths involved in BME, but imho, this book offers poor explanations, way too many errors, not enough details/info on various topics. I wouldn’t waste my money on this.

The book was in a fine condition. The only problems were a few tears on the edges which were mostly covered up by a cheap book cover.

The authors of this textbook have little skill in writing or editing their own work. The chapters are filled with examples that have blatantly incorrect answers, which only serves to confuse. Did anyone writing this care to double-check their work? Students are better off using Wikipedia. The sample codes provided frequently do not function or require a great amount of revision to work at all. Lazy writing, lazy editing, lazy presentation.