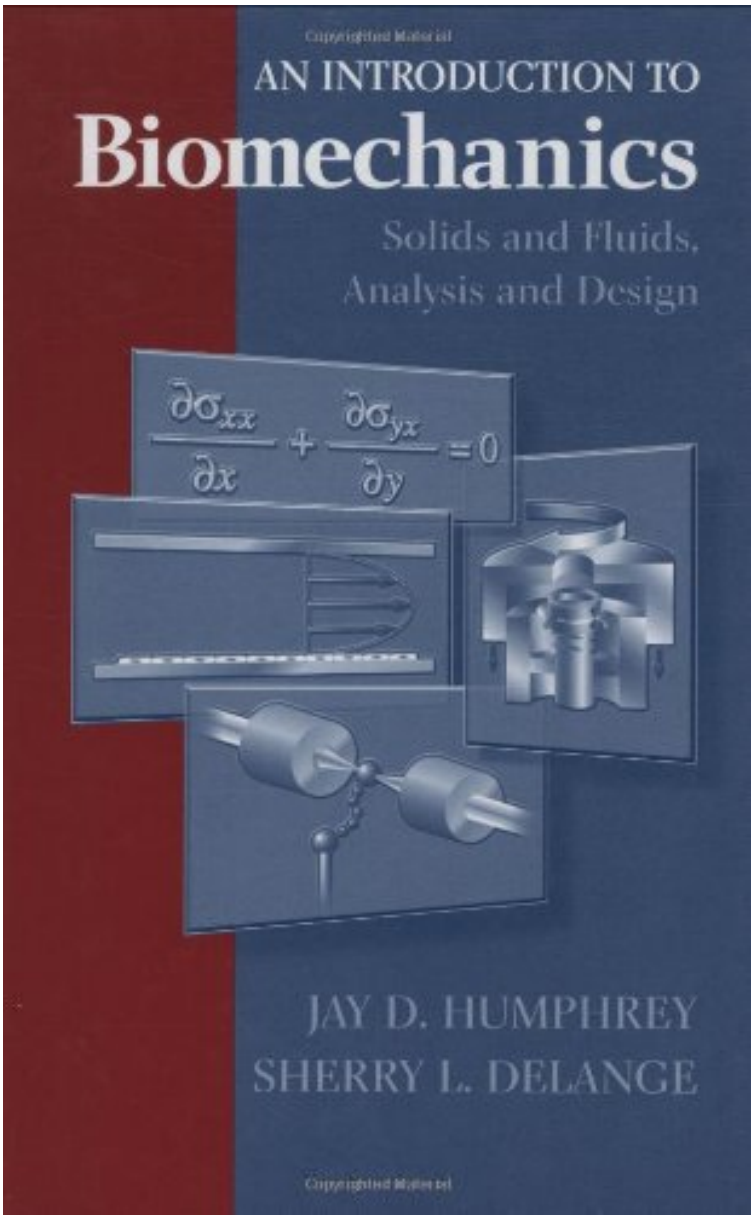
An Introduction to Biomechanics: Solids and Fluids, Analysis and Design

Jay D. Humphrey, Sherry DeLange



#704125 in Books 2004-01-08Ingredients: Example IngredientsOriginal language:EnglishPDF # 1 9.21 x 1.38 x 6.14l, 2.40 #File Name: 0387402497632 pages | File size: 73.Mb

Jay D. Humphrey, Sherry DeLange : An Introduction to Biomechanics: Solids and Fluids, Analysis and Design before purchasing it in order to gage whether or not it would be worth my time, and all praised An Introduction to Biomechanics: Solids and Fluids, Analysis and Design:

0 of 0 people found the following review helpful. Get it if you need itBy Alex FHate the class but the book wasn't a beast to read. It gave a good explanation for understanding the fundamentals of the course as long as you have a little college-level science/math background.0 of 0 people found the following review helpful. This book is very easy to read and understandBy CustomerThis book is very easy to read and understand. It proved very helpful in understanding the material in class and studying for exams. A great introduction to biomechanics and a fantastic comprehensive review of solid mechanics!5 of 6 people found the following review helpful. Definitely not an introduction!!!!!!!By Ing. Carlos Torrenegra B.S. MScThe author is deeply oriented to biomechanics of fluids both in the first and second part of the book,despite the fact it is supposed to have different approaches. The first chapters are devoted to complex mathematical demonstrations of stress-strain models and materials engineering, topics that shouldn't be considered to be suitable for starting studying biomechanics.Definitely not an introduction. Highly recommended for intermediate and advanced courses.

Designed to meet the needs of undergraduate students, "Introduction to Biomechanics" takes the fresh approach of combining the viewpoints of both a well-respected teacher and a successful student. With an eye toward practicality without loss of depth of instruction, this book seeks to explain the fundamental concepts of biomechanics. With the accompanying web site providing models, sample problems, review questions and more, Introduction to Biomechanics provides students with the full range of instructional material for this complex and dynamic field.

From the reviews: "The book under review aims to serve as an introduction to biomechanics . It is worth to note that every chapter of the book concludes with an appendix with the basic mathematical theory used in the corresponding text, and exercises. The book contains very rich references and index. After reading this book, the reader will be convinced that the aim of the book is reached . It is also a nice and useful learning tool for students, scientists and biomedical engineers ." (Clementina Mladenova, Zentralblatt MATH, Vol. 1067, 2005) "An Introduction to Biomechanics offers for introducing and understanding classes of problems from a continuum perspective rather than a collection of special results. is written in a light of understanding, includes a comprehensive coverage of basics biosolid and biofluid mechanics, employs a consistent continuum approach, provides student assignments and is complimented by a website. It is a worthwhile addition to a scholars library and worthy of consideration as the primary text for undergraduate biomechanics (solids and fluids) courses." (Benjamin S. Kelley, Annals of Biomedical Engineering, Vol. 35 (9), September, 2007)