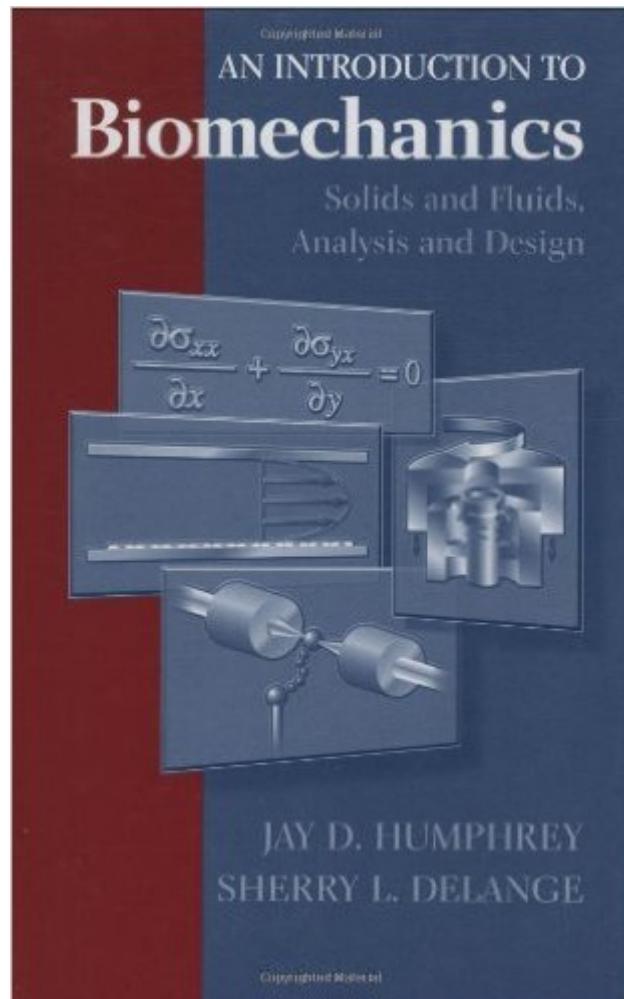


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# An Introduction To Biomechanics: Solids And Fluids, Analysis And Design



## **Synopsis**

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.

## **Book Information**

Hardcover: 632 pages

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Product Dimensions: 6.1 x 1.4 x 9.2 inches

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Average Customer Review: 3.8 out of 5 starsÂ  [See all reviewsÂ](#) (5 customer reviews)

Best Sellers Rank: #533,941 in Books (See Top 100 in Books) #20 inÂ  Books > Medical Books > Medicine > Prosthesis #80 inÂ  Books > Science & Math > Biological Sciences > Biophysics #129 inÂ  Books > Engineering & Transportation > Engineering > Bioengineering > Biomedical Engineering

## **Customer Reviews**

I hoped to use this text to teach an introductory course in biomechanics to engineers. It seems that the majority of the material is discussing general mechanics (both solid and fluid) with complete derivations. Only at the end of each chapter is there a short section on how the subject relates to biology or medicine which is what a general engineering student may not have been exposed to. On the other hand, it goes into more detail than a biology student probably needs to know. In the end, I found the book Physics of the Human Body (Biological and Medical Physics, Biomedical Engineering) to be a much more well rounded text that seamlessly integrated physics and engineering with biology.

The 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.

This 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!

Hate 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.

The book was in really good conditions, I got it on time and the price was great for the conditions of the book.

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An Introduction to Biomechanics: Solids and Fluids, Analysis and Design St Mary's BSc Sports Science Bundle: Physiology and Biomechanics: Introduction to Sports Biomechanics: Analysing Human Movement Patterns [Paperback] [2007] (Author) Roger Bartlett Fluids and Electrolytes: NCLEX Mastery - The EASY Guide to Understand Fluids and Electrolytes!: Basic + Advanced concepts made incredibly easy!! Introducing Solids & Making Your Own Organic Baby Food: A Step-by-Step Guide to Weaning Baby off Breast & Starting Solids. Delicious, Easy-to-Make, & Healthy Homemade Baby Food Recipes Included. Polymer Foams Handbook: Engineering and Biomechanics Applications and Design Guide Introduction to Thermal and Fluids Engineering Introduction to the Physics of Electrons in Solids Biomechanics of Sport and Exercise, 2nd Edition Computational Biomechanics for Medicine: New Approaches and New Applications Biomechanics of Sport and Exercise, 3E Occupational Biomechanics Biomechanics in Clinical Dentistry Dental Biomechanics Orthodontic Biomechanics: Treatment Of Complex Cases Using Clear Aligner (Recent Advances in Dentistry Book 1) Biomechanics In Orthodontics Biomechanics of Musculoskeletal Injury, Second Edition The Evolution of Biomechanics: Bringing movement theory back to life Fundamentals of Biomechanics Dynamics of Fluids in Porous Media (Dover Civil and Mechanical Engineering) Synthetic Lubricants and High-Performance Functional Fluids (Chemical Industries)

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