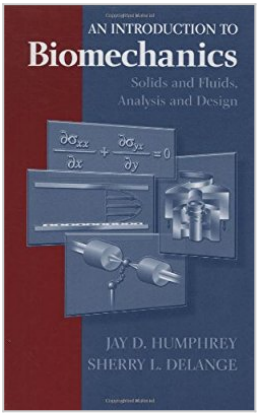

An Introduction to Biomechanics: Solids and Fluids, Analysis and Design

By Jay D. Humphrey, Sherry DeLange

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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.

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An Introduction to Biomechanics: Solids and Fluids, Analysis and Design By Jay D. Humphrey, Sherry DeLange Bibliography

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Editorial Review

Review

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 scholar’s 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)

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