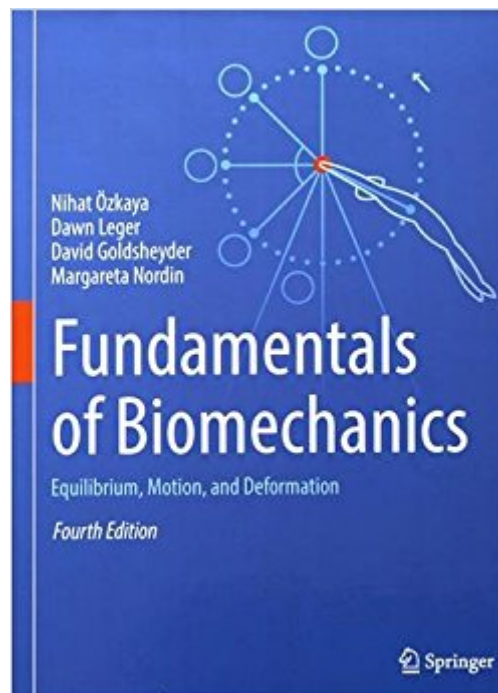




**Ebook Directory**  
the best source of ebook

The book was found

# Fundamentals Of Biomechanics: Equilibrium, Motion, And Deformation



## Synopsis

This textbook integrates the classic fields of mechanics—statics, dynamics, and strength of materials—using examples from biology and medicine. The book is excellent for teaching either undergraduates in biomedical engineering programs or health care professionals studying biomechanics at the graduate level. Extensively revised from a successful third edition, *Fundamentals of Biomechanics* features a wealth of clear illustrations, numerous worked examples, and many problem sets. The book provides the quantitative perspective missing from more descriptive texts, without requiring an advanced background in mathematics. It will be welcomed for use in courses such as biomechanics and orthopedics, rehabilitation and industrial engineering, and occupational or sports medicine. This book: Introduces the fundamental concepts, principles, and methods that must be understood to begin the study of biomechanics Reinforces basic principles of biomechanics with repetitive exercises in class and homework assignments given throughout the textbook Includes over 100 new problem sets with solutions and illustrations

## Book Information

Hardcover: 454 pages

Publisher: Springer; 4th ed. 2017 edition (January 22, 2017)

Language: English

ISBN-10: 3319447378

ISBN-13: 978-3319447377

Product Dimensions: 8.3 x 1.2 x 11 inches

Shipping Weight: 3 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #292,011 in Books (See Top 100 in Books) #86 in [Books > Textbooks > Medicine & Health Sciences > Medicine > Clinical > Orthopedics](#) #100 in [Books > Engineering & Transportation > Engineering > Bioengineering > Biomedical Engineering](#) #114 in [Books > Medical Books > Medicine > Surgery > Orthopedics](#)

## Customer Reviews

This textbook integrates the classic fields of mechanics—statics, dynamics, and strength of materials—using examples from biology and medicine. The book is excellent for teaching either undergraduates in biomedical engineering programs or health care professionals studying biomechanics at the graduate level. Extensively revised from a successful third edition, *Fundamentals of Biomechanics* features a wealth of clear illustrations, numerous worked examples,

and many problem sets. The book provides the quantitative perspective missing from more descriptive texts, without requiring an advanced background in mathematics. It will be welcomed for use in courses such as biomechanics and orthopedics, rehabilitation and industrial engineering, and occupational or sports medicine. This book: • Introduces the fundamental concepts, principles, and methods that must be understood to begin the study of biomechanics • Reinforces basic principles of biomechanics with repetitive exercises in class and homework assignments given throughout the textbook • Includes over 100 new problem sets with solutions and illustrations

Dawn Leger, Ph.D. Margareta Nordin, Dr.Sci. David Goldsheyder, M.S., M.A. CPE.

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

Fundamentals of Biomechanics: Equilibrium, Motion, and Deformation St Mary's BSc Sports Science Bundle: Physiology and Biomechanics: Introduction to Sports Biomechanics: Analysing Human Movement Patterns [Paperback] [2007] (Author) Roger Bartlett An Introductory Text to Bioengineering (Advanced Series in Biomechanics) (Advanced Series in Biomechanics (Paperback)) Biomechanics of Human Motion: Applications in the Martial Arts Non-equilibrium Thermodynamics and the Production of Entropy: Life, Earth, and Beyond (Understanding Complex Systems) Jeff Koons: One Ball Total Equilibrium Tank (Afterall Books / One Work) Equilibrium Unemployment Theory (MIT Press) Non-Equilibrium Thermodynamics for Engineers (Second Edition) Theory of Value: An Axiomatic Analysis of Economic Equilibrium (Cowles Foundation Monographs Series) Fundamentals of Biomechanics Strike-Slip Deformation, Basin Formation, and Sedimentation (Special Publication (Society of Economic Paleontologists and Mineralogists)) Sight, Sound, Motion (Sight, Sound, Motion: Applied Media Aesthetics) (Wadsworth Series in Broadcast and Production) [Hardcover] (2010) by Herbert Zettl Dynamics of Wheel-Soil Systems: A Soil Stress and Deformation-Based Approach (Ground Vehicle Engineering) Deformation and Fracture Mechanics of Engineering Materials Mechanical Behavior of Materials: Engineering Methods for Deformation, Fracture, and Fatigue (2nd Edition) Mechanical Behavior of Materials: Engineering Methods for Deformation, Fracture, and Fatigue Deformation and Fracture Behaviour of Polymer Materials (Springer Series in Materials Science) Deformation and Fracture Mechanics of Engineering Materials, 5th Edition Physics of Deformation and Flow: An Introduction Step-by-Step Free-Motion Quilting: Turn 9 Simple Shapes into 80+ Distinctive Designs • Best-selling author of First Steps to Free-Motion Quilting

Contact Us

DMCA

Privacy

FAQ & Help