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Because of rapid developments in computer technology and computational techniques, advances in a wide spectrum of technologies, coupled with cross-disciplinary pursuits between technology and its application to human body processes, the field of biomechanics continues to evolve. Many areas of significant progress include dynamics of musculoskeletal systems, mechanics of hard and soft tissues, mechanics of bone remodeling, mechanics of blood and air flow, flow-prosthesis interfaces, mechanics of impact, dynamics of man-machine interaction, and more. Thus, the great breadth and significance of the field in the international scene require a well integrated set of volumes to provide a complete coverage of the exciting subject of biomechanical systems technology.

Volume 4--general anatomy--covers acoustical signals of biomechanical systems; the auditory brainstem implant; and techniques in the contour detection of kidneys and their applications.

Publication Year 2007
Edition 1st
Author/Editor Leondes, Cornelius T.
Publisher World Scientific Publishing Co, Inc.
Platform Ovid
Product Type Book
Speciality Biotechnology
Language English
Pages 344
Illustrations 0
Included In Ovid BioScience Book Package