

Research Methods in Biomechanics



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Reviews

This is an amazing publication i actually have at any time go through. It is actually rally interesting throug reading through period. Its been developed in an exceptionally straightforward way which is merely following i finished reading through this publication where actually altered me, modify the way in my opinion.

(Noah Padberg)

RESEARCH METHODS IN BIOMECHANICS



Human Kinetics Publishers. Hardcover. Book Condition: New. Hardcover. 440 pages. Dimensions: 11.0in. x 8.7in. x 1.3in. Research Methods in Biomechanics, Second Edition, demonstrates the range of available research techniques and how to best apply this knowledge to ensure valid data collection. In the highly technical field of biomechanics, research methods are frequently upgraded as the speed and sophistication of software and hardware technologies increase. With this in mind, the second edition includes up-to-date research methods and presents new information detailing advanced analytical tools for investigating human movement. Expanded into 14 chapters and reorganized into four parts, the improved second edition features more than 100 new pieces of art and illustrations and new chapters introducing the latest techniques and up-and-coming areas of research. Also included is access to biomechanics research software designed by C-Motion, Visual3D Educational Edition, which allows users to explore the full range of modeling capabilities of the professional Visual3D software in sample data files as well as display visualizations for other data sets. Additional enhancements in this edition include the following: Special features called From the Scientific Literature highlight the ways in which biomechanical research techniques have been used in both classic and cutting-edge studies. An overview, summary, and list of suggested readings in each chapter guide students and researchers through the content and on to further study. Sample problems appear in select chapters, and answers are provided at the end of the text. Appendixes contain mathematical and technical references and additional examples. A glossary provides a reference for terminology associated with human movement studies. Research Methods in Biomechanics, Second Edition, assists readers in developing a comprehensive understanding of methods for quantifying human movement. Parts I and II of the text examine planar and three-dimensional kinematics and kinetics in research, issues of body segment parameters and forces, and energy,...



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