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From Carl J Payton and Roger M Bartlett
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BIOMECHANICAL EVALUATION OF MOVEMENT IN SPORT AND EXERCISE

The British Association of Sport and Exercise Sciences Guidelines

EDITED BY CARL J. PAYTON AND ROGER M. BARTLETT



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purchasing it in order to gauge whether or not it would be worth my time, and all praised **Biomechanical Evaluation of Movement in Sport and Exercise: The British Association of Sport and Exercise Sciences Guide (BASES Sport and Exercise Science)**:

Published in association with the British Association of Sport and Exercise Sciences, this is the only up-to-date, practical guide to using the range of biomechanics movement analysis machines, equipment and software available today. It includes detailed explanations of the key theory underlying biomechanics testing, along with advice concerning choice of equipment and how to use your laboratory equipment most effectively. The book covers the following important topics in detail: motion analysis using video and on-line systems measurement of force and pressure in the laboratory and field measurement of power using isokinetic dynamometry electromyography computational simulation and modelling of human movement research methodologies, data processing and data smoothing. Contributors include world leading researchers and pioneers such as Roger Bartlett, Carl Payton, Vasilios (Bill) Baltzopoulos, Adrian Burden, John H. Challis, and computer modelling maestro Fred Yeadon. **Biomechanical Evaluation of Movement in Sport and Exercise** is a must-have text for all biomechanics laboratories and students undertaking research.

About the Author Roger Bartlett is Associate Professor in the School of Physical Education, University of Otago, New Zealand. Carl Payton is Senior Lecturer in Biomechanics at Manchester Metropolitan University, UK.