

SP5512 - Biomechanics of Sport and Exercise

Dr Nick Linthorne

View Online



Adair, Robert Kemp. 2002. The Physics of Baseball. 3rd ed., rev.Updated, and Expanded. New York: Perennial.

Alexander, R. McNeill and British Museum (Natural History). 1992. The Human Machine. London: Natural History Museum Publications.

Armenti, Angelo. 1992. The Physics of Sports. New York [USA]: American Institute of Physics.

Bartlett, R. M. 1999. Sports Biomechanics: Reducing Injury and Improving Performance. London: E & FN Spon.

Bartlett, Roger. 2014. Introduction to Sports Biomechanics: Analysing Human Movement Patterns. Third edition. London: Routledge.

Brancazio, Peter J. 1984. Sport Science: Physical Laws and Optimum Performance. New York: Simon and Schuster.

Brisson, Pierre, Margaret Estivalet, and International Sports Engineering Association. 2009a. The Engineering of Sport 7: Vol. 1. Paris: Springer.

———. 2009b. The Engineering of Sport 7: Vol. 2. Paris: Springer.

Brody, Howard, Rodney Cross, and Crawford Lindsey. 2002. The Physics and Technology of Tennis. Solana Beach, Calif: Racquet Tech Pub.

Burke, Ed. 2003. High-Tech Cycling. 2nd ed. Champaign, Ill: Human Kinetics.

Carl Payton: Ro. n.d. Biomechanical Evaluation of Movement in Sport and Exercise. Hardcover. Routledge.

Cavanagh, Peter R. 1990. Biomechanics of Distance Running. Champaign, Ill: Human Kinetics Books.

Cleveland, William S. 1994. The Elements of Graphing Data. Rev. ed. Murray Hill, N.J.: AT&T Bell Laboratories.

Daish, C. B. 1972. The Physics of Ball Games. London: English Universities Press.

Danby, J. M. A. 1997. Computer Modeling: From Sports to Spaceflight - from Order to Chaos . Richmond, VA: Willmann-Bell.

- De Mestre, Neville. 1990. The Mathematics of Projectiles in Sport. Vol. Australian Mathematical Society lecture series. Cambridge: Cambridge University Press.
- Dyson, Geoffrey H. G. 1986. The Mechanics of Athletics. 8th ed. London: Hodder and Stoughton.
- Enoka, Roger M. 2008. Neuromechanics of Human Movement. 4th ed. Champaign, Ill: Human Kinetics.
- Gamble, James G. (James Gibson.), and Jessica Rose. 2005. Human Walking. 3rd ed. London: Lippincott Williams & Wilkins.
- Haake, S. J. and International Conference on the Engineering of Sport. 1998. The Engineering of Sport: Design and Development. Oxford: Blackwell Science.
- Haake, Steve, Coe, A., and International Congress on Tennis Science and Technology. 2000. Tennis Science & Technology. Malden, MA: Blackwell Science.
- Haake, Steve and International Conference on the Engineering of Sport. 1996. The Engineering of Sport. Brookfield, VT: A.A. Balkema.
- Haché, Alain. 2002. The Physics of Hockey. Baltimore: Johns Hopkins University Press.
- Hart, Derek, and Anthony Croft. 1988. Modelling with Projectiles. Chichester: Ellis Horwood.
- Hay, James G. 1993. The Biomechanics of Sports Techniques. 4th ed. Vol. Prentice Hall international editions. Englewood Cliffs, N.J.: Prentice-Hall.
- Hay, James G., J. Gavin Reid, and James G. Hay. 1988. Anatomy, Mechanics, and Human Motion. 2nd ed. Upper Saddle River, NJ: Prentice Hall.
- Hildebrand, M., and George Goslow. 2003. Analysis of Vertebrate Structure. 5th international ed. London: John Wiley.
- Hochmuth, Gerald. 1984. Biomechanics of Athletic Movement. Berlin: Sportverlag.
- Hong, Youlian, and Roger Bartlett. 2010. Routledge Handbook of Biomechanics and Human Movement Science. 2nd ed. Abingdon, Oxon, England: Routledge.
- Hubbard, M., R. D. Mehta, Jani Macari Pallis, International Conference on the Engineering of Sport, and International Sports Engineering Association. 2004. The Engineering of Sport 5: Volume 2. Sheffield: International Sports Engineering Association.
- Jenkins, Mike. 2003. Materials in Sports Equipment: Volume 1. Cambridge: Woodhead.
- John J. Fontanella. n.d. The Physics of Basketball. Hardcover. The Johns Hopkins University Press.
- Jorgensen, Theodore P. 1999. The Physics of Golf. 2nd ed. New York: Springer.
- Kreighbaum, Ellen, and Katharine M. Barthels. 1996. Biomechanics: A Qualitative Approach

for Studying Human Movement. 4th ed. Boston: Allyn and Bacon.

Lind, David, and Scott Patrick Sanders. 2004. The Physics of Skiing: Skiing at the Triple Point. 2nd ed. New York: Springer.

Lipscombe, Trevor. 2009. The Physics of Rugby. Nottingham, U.K.: Nottingham University Press.

McGinnis, Peter Merton. 2013. Biomechanics of Sport and Exercise. Third Edition. Champaign, IL: Human Kinetics.

McMahon, Thomas A. 1984. Muscles, Reflexes, and Locomotion. Guildford: Princeton University Press.

McMahon, Thomas A., and John Tyler Bonner. 1983. On Size and Life. New York: Scientific American Library.

Moritz, Eckehard Fozzy, Steve Haake, and International Sports Engineering Association. 2006. The Engineering of Sport 6: Volume 3: Developments for Innovation. New York: Springer-Verlag.

Moritz, Eckehard, Steve Haake, and International Sports Engineering Association. 2006. The Engineering of Sport 6: Volume 1: Developments in Sports. New York: Springer.

Moritz, Eckehard and International Sports Engineering Association. 2006. The Engineering of Sport 6: Volume 2: Developments for Disciplines. New York: Springer-Verlag.

Nigg, Benno Maurus. 1986. Biomechanics of Running Shoes. Champaign, IL: Human Kinetics Publishers.

Robbins, Naomi B. 2005. Creating More Effective Graphs. [Chichester]: Wiley-Interscience.

Subic, A. J. 2007. Materials in Sports Equipment: Volume 2. Cambridge: Woodhead Publishing Limited.

Subic, A. J., and Steve Haake. 2000. The Engineering of Sport: Research, Development, and Innovation. Malden, MA: Blackwell Science.

Townend, M. Stewart. 1984. Mathematics in Sport. Vol. Ellis Horwood series in mathematics and its applications. Chichester: Ellis Horwood.

Ujihashi, S., Steve Haake, and International Conference on the Engineering of Sport. 2002. The Engineering of Sport 4. Malden, MA: Blackwell Science.

Vaughan, Christopher Leonard. 1989. Biomechanics of Sport. Boca Raton, Fla: CRC Press.

Wesson, John. 2002. The Science of Soccer. Bristol: Institute of Physics Pub.

<http://lib.myilibrary.com/browse/open.asp?id=65078&entityid=https://idp.brunel.ac.uk/entity>.

White, Colin. 2011. Projectile Dynamics in Sport : Principles and Applications. London: Routledge.

<http://lib.myilibrary.com/browse/open.asp?id=288286&entityid=https://idp.brunel.ac.uk/entity>.

Wilson, David Gordon, Jim Papadopoulos, and Frank Rowland Whitt. 2004. *Bicycling Science*. 3rd ed. Cambridge, Mass: MIT Press.

Winter, David A. 2009. *Biomechanics and Motor Control of Human Movement*. 4th ed. Hoboken, N.J.: Wiley.

Zatsiorsky, Vladimir M. 1998. *Kinematics of Human Motion*. Champaign, IL: Human Kinetics.

———. 2002. *Kinetics of Human Motion*. Champaign, IL: Human Kinetics.

Zatsiorsky, Vladimir M., IOC Medical Commission, and International Federation of Sports Medicine. 2000. *Biomechanics in Sport: Performance Enhancement and Injury Prevention*. Vol. v. IX. Malden, MA, USA: Blackwell Science.

<http://lib.myilibrary.com/browse/open.asp?id=130976&entityid=https://idp.brunel.ac.uk/entity>.

Zumerchik, John. 2002. *Newton on the Tee: A Good Walk through the Science of Golf*. New York: Simon & Schuster.