

# 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.

Brisson, Pierre, Margaret Estivalet, and International Sports Engineering Association. 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. 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. Vol. Prentice Hall international editions. 4th ed. 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. 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.
- White, Colin. 2011. *Projectile Dynamics in Sport : Principles and Applications*. London: Routledge.

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.

Zatsiorsky, Vladimir M. 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.

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