

SP5512 - Biomechanics of Sport and Exercise

Dr Nick Linthorne

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1.

Alexander RM, British Museum (Natural History). The human machine. London: Natural History Museum Publications; 1992.

2.

Zatsiorsky VM, IOC Medical Commission, International Federation of Sports Medicine. Biomechanics in sport: performance enhancement and injury prevention [Internet]. Malden, MA, USA: Blackwell Science; 2000. Available from: <http://lib.myilibrary.com/browse/open.asp?id=130976&entityid=https://idp.brunel.ac.uk/entity>

3.

Adair RK. The physics of baseball. 3rd ed., rev.updated, and expanded. New York: Perennial; 2002.

4.

Armenti A. The physics of sports. New York [USA]: American Institute of Physics; 1992.

5.

Bartlett R. Introduction to sports biomechanics: analysing human movement patterns. Third edition. London: Routledge; 2014.

6.

Bartlett, R. M. Sports biomechanics: reducing injury and improving performance. London: E

& FN Spon; 1999.

7.

Brancazio PJ. Sport science: physical laws and optimum performance. New York: Simon and Schuster; 1984.

8.

Brody H, Cross R, Lindsey C. The physics and technology of tennis. Solana Beach, Calif: Racquet Tech Pub; 2002.

9.

Burke E. High-tech cycling. 2nd ed. Champaign, Ill: Human Kinetics; 2003.

10.

Cavanagh PR. Biomechanics of distance running. Champaign, Ill: Human Kinetics Books; 1990.

11.

Cleveland WS. The elements of graphing data. Rev. ed. Murray Hill, N.J.: AT&T Bell Laboratories; 1994.

12.

Daish CB. The physics of ball games. London: English Universities Press; 1972.

13.

Danby JMA. Computer modeling: from sports to spaceflight - from order to chaos. Richmond, VA: Willmann-Bell; 1997.

14.

De Mestre N. The mathematics of projectiles in sport. Cambridge: Cambridge University Press; 1990.

15.

Dyson GHG. The mechanics of athletics. 8th ed. London: Hodder and Stoughton; 1986.

16.

Enoka RM. Neuromechanics of human movement. 4th ed. Champaign, Ill: Human Kinetics; 2008.

17.

Brisson P, Estivalet M, International Sports Engineering Association. The engineering of sport 7: Vol. 1. Paris: Springer; 2009.

18.

Brisson P, Estivalet M, International Sports Engineering Association. The engineering of sport 7: Vol. 2. Paris: Springer; 2009.

19.

John J. Fontanella. The physics of basketball. The Johns Hopkins University Press;

20.

Haake S, International Conference on the Engineering of Sport. The engineering of sport. Brookfield, VT: A.A. Balkema; 1996.

21.

Haake SJ, International Conference on the Engineering of Sport. The engineering of sport: design and development. Oxford: Blackwell Science; 1998.

22.

Haake, Steve, Coe, A., International Congress on Tennis Science and Technology. Tennis science & technology. Malden, MA: Blackwell Science; 2000.

23.

Haché A. The physics of hockey. Baltimore: Johns Hopkins University Press; 2002.

24.

Hart D, Croft A. Modelling with projectiles. Chichester: Ellis Horwood; 1988.

25.

Hay JG. The biomechanics of sports techniques. 4th ed. Englewood Cliffs, N.J.: Prentice-Hall; 1993.

26.

Hay JG, Reid JG, Hay JG. Anatomy, mechanics, and human motion. 2nd ed. Upper Saddle River, NJ: Prentice Hall; 1988.

27.

Hildebrand M, Goslow G. Analysis of vertebrate structure. 5th international ed. London: John Wiley; 2003.

28.

Hochmuth G. Biomechanics of athletic movement. Berlin: Sportverlag; 1984.

29.

Hong Y, Bartlett R. Routledge handbook of biomechanics and human movement science. 2nd ed. Abingdon, Oxon, England: Routledge; 2010.

30.

Hubbard M, Mehta RD, Pallis JM, International Conference on the Engineering of Sport, International Sports Engineering Association. The engineering of sport 5: Volume 2. Sheffield: International Sports Engineering Association; 2004.

31.

Jenkins M. Materials in sports equipment: Volume 1. Cambridge: Woodhead; 2003.

32.

Jorgensen TP. The physics of golf. 2nd ed. New York: Springer; 1999.

33.

Kreighbaum E, Barthels KM. Biomechanics: a qualitative approach for studying human movement. 4th ed. Boston: Allyn and Bacon; 1996.

34.

Lind D, Sanders SP. The physics of skiing: skiing at the Triple Point. 2nd ed. New York: Springer; 2004.

35.

Lipscombe T. The physics of rugby. Nottingham, U.K.: Nottingham University Press; 2009.

36.

McGinnis PM. Biomechanics of sport and exercise. Third Edition. Champaign, IL: Human Kinetics; 2013.

37.

McMahon TA. Muscles, reflexes, and locomotion. Guildford: Princeton University Press; 1984.

38.

McMahon TA, Bonner JT. On size and life. New York: Scientific American Library; 1983.

39.

Moritz E, Haake S, International Sports Engineering Association. The engineering of sport 6: Volume 1: Developments in sports. New York: Springer; 2006.

40.

Moritz E, International Sports Engineering Association. The engineering of sport 6: Volume 2: Developments for disciplines. New York: Springer-Verlag; 2006.

41.

Moritz EF, Haake S, International Sports Engineering Association. The engineering of sport 6: Volume 3: Developments for innovation. New York: Springer-Verlag; 2006.

42.

Nigg BM. Biomechanics of running shoes. Champaign, IL: Human Kinetics Publishers; 1986.

43.

Carl Payton: Ro. Biomechanical Evaluation of Movement in Sport and Exercise. Routledge;

44.

Robbins NB. Creating more effective graphs. [Chichester]: Wiley-Interscience; 2005.

45.

Gamble JG (James Gibson), Rose J. Human walking. 3rd ed. London: Lippincott Williams & Wilkins; 2005.

46.

Subic AJ. Materials in sports equipment: Volume 2. Cambridge: Woodhead Publishing Limited; 2007.

47.

Subic AJ, Haake S. The engineering of sport: research, development, and innovation. Malden, MA: Blackwell Science; 2000.

48.

Townend MS. Mathematics in sport. Chichester: Ellis Horwood; 1984.

49.

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

50.

Vaughan CL. Biomechanics of sport. Boca Raton, Fla: CRC Press; 1989.

51.

Wesson J. The science of soccer [Internet]. Bristol: Institute of Physics Pub; 2002. Available from:
<http://lib.myilibrary.com/browse/open.asp?id=65078&entityid=https://idp.brunel.ac.uk/entity>

52.

White C. Projectile dynamics in sport: principles and applications [Internet]. London: Routledge; 2011. Available from:
<http://lib.myilibrary.com/browse/open.asp?id=288286&entityid=https://idp.brunel.ac.uk/entity>

53.

Wilson DG, Papadopoulos J, Whitt FR. Bicycling science. 3rd ed. Cambridge, Mass: MIT Press; 2004.

54.

Winter DA. Biomechanics and motor control of human movement. 4th ed. Hoboken, N.J.: Wiley; 2009.

55.

Zatsiorsky VM. Kinematics of human motion. Champaign, IL: Human Kinetics; 1998.

56.

Zatsiorsky VM. Kinetics of human motion. Champaign, IL: Human Kinetics; 2002.

57.

Zumerchik J. Newton on the tee: a good walk through the science of golf. New York: Simon & Schuster; 2002.