

Literaturverzeichnis

- [1] . URL http://www.dasp.uni-wuppertal.de/ars_auditus/physiologie/inhaltphysio.htm.
- [2] . URL http://www.anl.gov/Media_Center/logos20-2/blood01.htm.
- [3] . URL http://en.wikipedia.org/wiki/Wind_tunnel.
- [4] Bergmann and Schäfer. *Optik*. de Gruyter, 1993.
- [5] J. Bille and W. Schlegel, editors. *Medizinische Physik, Band 3: Medizinische Laserphysik*. Springer-Verlag, 2005.
- [6] David C. Van Essen. A tension-based theory of morphogenesis and compact wiring in the central nervous system. *Nature*, 385:313–318, 1997.
- [7] A. Faller and M. Schünke. *Der Körper des Menschen*. Thieme Verlag, 2004.
- [8] Hans Frauenfelder, Peter G. Wolynes, and Robert H. Austin. Biological physics. *Rev. Mod. Phys.*, 71:S419–S430, 1999.
- [9] A. L. Hodgkin and A. F. Huxley. The components of membrane conductance in the giant axon of loligo. *J Physiol.*, 116:473–496, 1952.
- [10] A. L. Hodgkin and A. F. Huxley. A quantitative description of membrane current and its application to conduction and excitation in nerve. *J. Physiol.*, 117:500–544, 1952.
- [11] A. L. Hodgkin and A. F. Huxley. Currents carried by sodium and potassium ions through the membrane of the giant axon of loligo. *J Physiol.*, 116:449–472, 1952.
- [12] A. L. Hodgkin and A. F. Huxley. The dual effect of membrane potential on sodium conductance in the giant axon of loligo. *J Physiol.*, 116:497–506, 1952.
- [13] A. L. Hodgkin, A. F. Huxley, and B. Katz. Measurement of current-voltage relations in the membrane of the giant axon of loligo. *J Physiol.*, 116:424–448, 1952.
- [14] W. Hoppe, W. Lohmann, H. Markl, and H. Ziegler, editors. *Biophysik*. Springer-Verlag, 1982.
- [15] Mead C. Killion and Peter Dallos. Impedance matching by the combined effects of the outer and middle ear. *J. Acoust. Soc. Am.*, 66(2):599–602, 1979.
- [16] E. Konecny. *Medizintechnik*. Fernstudium Medizinische Physik und Technik, Uni Kaiserslautern, 2003.
- [17] Warren S. McCulloch and Walter Pitts. A logical calculus of the ideas immanent in nervous activity. *Bull. Math. Biophys.*, 5(4):115–133, 1943.
- [18] R. Nobili, F. Mammano, and J. Ashmore. How well do we understand the cochlea? *Trends in Neurosciences*, 21:159–167, 1998.
- [19] Rob Phillips and Stephen R. Quake. The biological frontier of physics. *Physics Today*, May 2006:38–43, 2006.
- [20] Erich Sackmann and Rudolf Merkel. *Lehrbuch der Biophysik*. Wiley-VCH, 2010. URL <http://www.biophy.de>.
- [21] Seeley, Stephens, and Tate. *Anatomy and Physiology*. McGraw Hill.
- [22] J. M. Skotheim and T. W. Secomb. Red blood cells and other nonspherical capsules in shear flow: Oscillatory dynamics and the tank-treading-to-tumbling transition. *Phys. Rev. Lett.*, 98:078301, 2007.
- [23] H. Zankl and E. Friedrich. *Anatomie und Physiologie*. Fernstudium Medizinische Physik und Technik, Uni Kaiserslautern, 2000.