

Literaturverzeichnis

- [1] G.Bao, L.Cowsar, W.Masters, eds., *Mathematical Modeling in Optical Science* (SIAM, Philadelphia, 2001).
- [2] D.Benson, *Music: A Mathematical Offering* (Cambridge University Press, 2006)
- [3] X.Blanc, C.Le Bris, P.L.Lions, *From molecular models to continuum mechanics*, Arch. Ration. Mech. Anal. **164** (2002), 341-381.
- [4] C.Cercignani, *Mathematical Methods in Kinetic Theory* (Plenum Press, New York, 1990).
- [5] C.Cercignani, *The Boltzmann Equation and its Applications* (New York, Springer, 1988).**M-FH: 11862**
- [6] C.Cercignani, R.Illner, M.Pulvirenti, *The Mathematical Theory of Dilute Gases*, Springer, New York, 1994.
- [7] A.J.Chorin, J.E.Marsden, *A Mathematical Introduction to Fluid Mechanics* (Springer, New York, 1979).
- [8] A.Friedman, W.Littman, *Industrial Mathematics: A Course in Solving Real-World Problems* (SIAM, Philadelphia, 1994).
- [9] A.Friedman, D.Ross, *Mathematical Models in Photographic Science* (Springer, Berlin, 2003).
- [10] H.Garccke, *Einführung in die Mathematische Modellierung* (Vorlesungsskript, Universität Regensburg, 2002).
- [11] D.Helbing, *Traffic and related self-driven many-particle systems*, Reviews of Modern Physics 73, 1067-1141.
- [12] D.Helbing, I.Farkas, T.Vicsek, *Simulating dynamical features of escape panic*, Nature 407 (2000), 487-490.
- [13] D.S.Jones, *Acoustic and Electromagnetic Waves* (Clarendon Press, Oxford, 1986).
- [14] C.C.Lin, L. A. Segel, *Mathematics Applied to Deterministic Problems in the Natural Sciences* (MacMillan, New York, 1974).
- [15] R.Pinna, *Numerische Strömungsmechanik* (Vorlesungsskript, TU Darmstadt, 2002).
- [16] L.A.Segel, *Simplification and scaling*, SIAM Review **14** (1972), 547-571.

- [17] K. Sznajd-Weron, J. Sznajd, Opinion evolution in closed community, Int. J. Mod. Phys. C 11, (2000) 1157-1165
- [18] A.B.Tayler, *Mathematical Models in Applied Mechanics* (Clarendon Press, Oxford, 1986).
- [19] W.Weidlich, *Sociodynamics: A Systematic Approach to Mathematical Modelling in the Social Sciences*, Harwood Academic Publishers, Amsterdam, 2000.