

## Theoretische Informationstechnik I & II

### Literatur

- [1] E. Aarts, J. Korst, *Simulated Annealing and Boltzmann Machines*. Wiley, Chichester, 1989.
- [2] R. Ash, *Information Theory*. Dover Publications, New York, 1990.
- [3] D.P. Bertsekas, *Nonlinear Programming*. Athena Scientific, Belmont, MA, 1999.
- [4] E. Biglieri, G. Taricco, *Transmission and Reception with Multiple Antennas: Theoretical Foundations*. now Publishers Inc., Hanover (MA), Delft, 2004.
- [5] S. Boyd, L. Vandenberghe, *Convex Optimization*. Cambridge University Press, Cambridge, 2004. (<http://www.stanford.edu/boyd/cvxbook/>)
- [6] I. Csiszar, J. Körner, *Information Theory, Coding Theorems for Discrete Memoryless Sources*. 2nd ed., Cambridge University Press, New York, 2011. (1st ed. 1981)
- [7] T.M. Cover, J.A. Thomas, *Elements of Information Theory*. Wiley, New York, 1991.
- [8] A. El Gamal, Y.-H. Kim, *Network Information Theory*. Cambridge University Press, Cambridge, 2011.
- [9] R.G. Gallager, *Principles of Digital Communication*. Cambridge University Press, Cambridge, 2008.
- [10] R.G. Gallager, *Information Theory and Reliable Communication*. John Wiley, New York, 1968.
- [11] A. Goldsmith, *Wireless Communications*. Cambridge University Press, New York, 2005.
- [12] J.A. Gubner, *Probability and Random Processes for Electrical and Computer Engineers*, Cambridge University Press, Cambridge, 2006.
- [13] D. MacKay, *Information Theory, Inference and Learning Algorithms*. Cambridge University Press, Cambridge, 2003. (<http://www.inference.phy.cam.ac.uk/mackay/itprnn/book.html>)
- [14] R. Mathar, *Informationstheorie, diskrete Modelle und Verfahren*. Teubner, Stuttgart, 1996. (<http://www.ti.rwth-aachen.de/publications>)
- [15] C.D. Meyer, *Matrix Analysis and Applied Linear Algebra*. SIAM, Philadelphia, 2000.
- [16] A. Papoulis, S.U. Pillai, *Probability, Random Variables and Stochastic Processes*. Mc Graw Hill, Boston, 2002. Begleitmaterial: <http://www.mhhe.com/engcs/electrical/papoulis/>
- [17] H.V. Poor, *An Introduction to Signal Detection and Estimation*. Springer, New York, 1994.

- [18] A.W. Roberts, D.E. Varberg, *Convex Functions*. Academic Press, New York, 1973.
- [19] H. Rohling, *Einführung in die Informations- und Codierungstheorie*. Teubner, Stuttgart, 1995.
- [20] S. M. Ross, *Introduction to Probability Models*. (8th edition) Academic Press, San Diego, 2003.
- [21] C.W. Therrien, M. Tummala, *Probability for Electrical and Computer Engineers*. CRC Press, Boca Raton, 2004.
- [22] D. Tse, P. Viswanath, *Fundamentals of Wireless Communication*. Cambridge University Press, Cambridge, 2005.
- [23] R.E. Walpole, R.H. Myers, S.L. Myers, K. Ye, *Probability and Statistics for Engineers and Scientists*. (7th edition) Prentice Hall, New Jersey, 2002.
- [24] R.D. Yates, D.J. Goodman, *Probability and Stochastic Processes*. John Wiley, New York, 1999.
- [25] R.W. Yeung, *A First Course in Information Theory*. Kluwer Academic/Plenum Publishers, New York, 2002.