

References

- [1] ČERNOHORSKÝ, D., NOVÁČEK, Z., RAIDA, Z. *Elektromagnetické vlny a vedení*. 2. rozšířené a přepracované vydání. Brno: Nakladatelství VUTIUM, 1999. ISBN 80-214-1261-5.
- [2] JORDAN, E.C., BALMAIN, K. G. *Electromagnetic waves and radiating systems*. 2nd edition. Englewood Cliffs: Prentice Hall, 1968.
- [3] ČERNOHORSKÝ, D., NOVÁČEK, Z., RAIDA, Z. *Elektromagnetické vlny a vedení: příklady pro cvičení a domácí projekty*. Dotisk 2. vydání. Brno: FEI VUT v Brně, 2001. ISBN 80-214-1254-2.
- [4] REKTORYS, K. a kol. *Přehled užité matematiky I, II*. Dotisk 6. vydání. Praha: Prometheus, 1995. ISBN 80-858-4972-0.
- [5] HARRINGTON, R. F. *Field computation by moment methods*. Piscataway: IEEE Press, 1993.
- [6] AJZENBERG, G. Z. *Antény ultrakortkých vln*. Moskva: Svjazizdat, 1957 (v ruštině).
- [7] HUDÁK, I. *Analýza drátových antén momentovou metodou*. Diploma thesis. Brno: FEI VUT v Brně, 1996.
- [8] SAINATI, R. A. *CAD of microstrip antennas for wireless applications*. Norwood: Artech House, 1996.
- [9] HARRINGTON, R. F. *Field computation by moment methods*. 2nd ed. Piscataway: IEEE Press, 1993.
- [10] MOSIG, J. R., GARDIOL, F. E. Analytical and numerical techniques in the Green's function treatment of microstrip antennas and scatterers. *IEE Proceedings H*. 1982, vol. 130, no. 2, p. 172 - 182.
- [11] ALATAN, L., AKSUN, M. I., LEBLEBICIOGLU, K., BIRAND, M. T. Use of computationally efficient method of moments in the optimization of printed antennas. *IEEE Transactions on Antennas and Propagation*. 1999, vol. 47, no. 4, p. 725 - 731.
- [12] MOSIG, J. R., GARDIOL, F. E. General integral equation formulation for microstrip antennas and scatterers. *IEE Proceedings H*. 1985, vol. 132, no. 7, p. 424 - 432.
- [13] MOSIG, J. R., GARDIOL, F. E. A dynamical radiation model for microstrip structures. In HAWKES, P. *Advances in Electronics and Electron Physics*. New York: Academic Press, 1982, p. 139 - 237.
- [14] POZAR, D.M., SCHAUBERT, D.H. *Microstrip Antennas*. Piscataway: IEEE Press. 1995
- [15] ČERNOHORSKÝ, D., RAIDA, Z., ŠKVOR, Z., NOVÁČEK, Z. *Analýza a optimalizace mikrovlnných struktur*. Brno: VUTIUM Publishing. 1999.
- [16] SALEH, B.E.A., TEICH, M.C. *Základy fotoniky I*. Praha: Matfyzpress, 1994
- [17] MUNK, B.A. *Frequency Selective Surfaces: Theory and Design*. Chichester: John Wiley and Sons, 2000.
- [18] WU, T.K. *Frequency Selective Surfaces and Grid Arrays*. Chichester: John Wiley and Sons, 1995.
- [19] SCOTT, C. *The Spectral Domain Method in Electromagnetics*. Norwood: Artech House, 1989.
- [20] GUPTA, K. C., GARG, R., BAHL, I., BHARTIA, P. *Microstrip lines and slotlines*. 2nd ed. Norwood: Artech House, 1996.
- [21] SILVESTER, P. P., FERRARI, R. F. *Finite elements for electrical engineers*. 3rd ed. Cambridge: Cambridge University Press, 1996.

- [22] Wilkinson, E. *An N-Way Hybrid Power Divider*. IEEE Trans. on Microwave Theory and Techniques, Vol. MTT-8, January 1960, pp. 116-118.
- [23] PARAD, L. I., Moynihan, R. L. *Split TEE Power Divider*. IEEE Trans. on Microwave Theory and Techniques, Vol. MTT-13, January 1965, pp. 91-95.
- [24] HOFFMANN, K. *Planární mikrovlnné obvody*. Skriptum ČVUT, Praha 2000.
- [25] MAAS, S. *Microwave Cookbook*. In Czech Rep. is available at the [Czech section](#) library of IEEE.
- [26] REED, J., Wheeler, G. J. *A Method of Analysis of Symmetrical Four-Port Networks* IEEE Trans. on Microwave Theory and Techniques, Vol. MTT-4, No. 4., October 1956, pp. 246-52
- [27] HOFFMANN, K. *Nepublikované sdělení*.
- [28] REHNMARK, S. *High Directivity CTL-Couplers and a New Technique for the Measurements of CTL-Coupler Parameters*. IEEE Trans. on Microwave Theory and Techniques, Vol. MTT-25, No. 12., December 1977, pp. 1116-1121.
- [29] CRISTAL, E. G., YOUNG, L. *Theory and Tables of Optimum Symmetrical TEM Mode Coupled Transmission Line Directional Couplers*. IEEE Trans. on Microwave Theory and Techniques, Vol. MTT-13, No. 5., September 1965, pp. 544-8.
- [30] ŠKVOR, Z. *CAD pro vf. techniku*. Skriptum ČVUT, Praha 1998.
- [31] LEVY, R. *General Synthesis of Asymmetric Multi-Element Coupled Transmission Line Directional Couplers*. IEEE Trans. on Microwave Theory and Techniques, Vol. MTT-11, No. 4., July 1963, pp. 226-37.
- [32] LEVY, R. *Tables for Asymmetric Multi-Element Coupled Transmission Line Directional Couplers*. IEEE Trans. on Microwave Theory and Techniques, Vol. MTT-12, No. 3., July 1964, pp. 275-79.
- [33] WONG, K.-L. *Compact and broadband microstrip antennas*. John Wiley and Sons, Inc., 2002.
- [34] VOLAKIS, J. L. *Antenna engineering handbook*. McGraw-Hill, 2007.
- [35] MARKLEIN, R. *The finite integration technique as a general tool to compute acoustic, electromagnetic, elastodynamic, and coupled wave fields*. Available at: <http://www.unikassel.de/fb16/tet/marklein/publikationen.html>
- [36] CLEMENS, M., WEINLAND, T. *Discrete electromagnetism with the finite integration technique*. Progress In Electromagnetics Research, PIER 32, 65–87, 2001.
- [37] RAO, M. S., *Time Domain Electromagnetics*. London: Academic Press, 1999.
- [38] ČERNOHORSKÝ, D., NOVÁČEK, Z. *Antény a šíření rádiových vln*. Skripta FEKT VUT, Brno 2003, ISBN 80-86056-47-3.
- [39] GARG, R., BHARTIA, P., BAHL, I., ITTIPIBOON, A. *Microstrip antenna design handbook*. ARTECH HOUSE, INC., Boston, London 2001, ISBN 0-89006-513-6.
- [40] *Ultra-Wideband (UWB) Technology*. Available at WWW: <http://www.intel.com/technology/comms/uwb/>
- [41] CHEN, Z. N., CHIA, M. Y. W. *Broadband Planar Antennas: Design and Applications*. John Wiley and Son, Ltd. West Sussex, England 2006, ISBN 0-470-87174-1.
- [42] WEIGAND, S., HUFF, G. H., PAN, K. H., BERNHARD, J. T. *Analysis and design of broad-band single-layer rectangular U-slot*

microstrip patch antennas. IEEE Transaction on Antennas and Propagation. 2003, vol. 51, no. 3, p. 457-468.

[43] MARŠÁLEK, R., *Teorie rádiové komunikace*. Elektronická skripta FEKT VUT, Brno 2005.

[44] SELBERHERR, S. *Analysis and Simulation of Semiconductor Devices*. Hiedelberg: Springer-Verlag, 1984.

[45] COUNTRYMAN, G. L. *An Experimental All-Band Nondirectional Transmitting Antenna*. W1RBK, (W3HH), QST, June 1949, page 54.

[46] CEBIK, L. B. *Modeling the T2FD*. W4RNL. Available at WWW: <http://www.cebik.com/content/a10/wire/t2fd.html>