

REFERENCES

- [1] G. E. Evans, *Antenna Measurement Techniques*. New York: Artech House, 1990.
- [2] J. B. Schneider, P. J. Flynn, and K. L. Shlager, "Animating the Evolution of a Field," *IEEE Antennas and Propagation Magazine*, Vol. 38, No. 6, pp. 7-17, December 1996.
- [3] M. S. Mirotznik and D. Prather, "The Practical Engineer: How to choose EM Software," *IEEE Spectrum*, Vol. 34, No. 12, pp. 53-58, December 1997.
- [4] P. A. Tirkas and C. A. Balanis, "Finite-Difference Time-Domain Method for Antenna Radiation," *IEEE Transactions on Antennas and Propagation*, Vol. 40, No. 3, pp. 334-340, March 1992.
- [5] T. Itoh, *Numerical Techniques for Microwave and Millimeter-Wave Passive Structures*. New York: John Wiley and Sons, 1989.
- [6] B. Fortner, *The Data Handbook*, 2nd ed. New York: Springer-Verlag, 1995.
- [7] U. Spagnolini, "2-D Phase Unwrapping and Instantaneous Frequency Estimation," *IEEE Transactions on Geoscience and Remote Sensing*, Vol. 33, No. 3, pp. 579-589, May 1995.
- [8] C. A. Balanis, *Advanced Engineering Electromagnetics*. New York: John Wiley and Sons, 1989.
- [9] R. Braham, "Math & Visualization: new tools, new frontiers," *IEEE Spectrum*, Vol. 32, No. 11, pp. 19-36, November 1995.
- [10] J. D. Foley, A. Dam, S. K. Feiner, and J. F. Hughes, *Computer Graphics: Principles and Practice*, 2nd ed. New York: Addison-Wesley, 1990.
- [11] H. Gouraud, *Computer Display of Curved Surfaces*. New York: Garland, 1979.
- [12] F. Ratliff, "Contour and Contrast," *Scientific American*, Vol. 226, No. 6, pp. 91-101, June 1972.
- [13] C. A. Balanis, *Antenna Theory Analysis and Design*, 2nd ed. New York: John Wiley and Sons, 1997.

- [14] K. R. Carver and J. W. Mink, "Microstrip Antenna Technology," *IEEE Transactions on Antennas and Propagation*, Vol. 29, No. 1, pp. 2-24, January 1981.
- [15] A. Reineix and B. Jecko, "Analysis of Microstrip Patch Antennas Using Finite Difference Time Domain Method," *IEEE Transactions on Antennas and Propagation*, Vol. 37, No. 11, pp. 1361-1369, November 1989.
- [16] R. W. Ramirez, *The FFT – Fundamentals and Concepts*. New Jersey: Prentice-Hall, 1985.
- [17] A. V. Oppenheim and R. W. Shafer, *Digital Signal Processing*. New Jersey: Prentice-Hall, 1975.
- [18] J. S. Walker, *Fast Fourier Transforms*, 2nd ed. New York: CRC Press, 1996.
- [19] W. H. Press, S. A. Teukolsky, W. T. Vetterling, and B. P. Flannery, *Numerical Recipes in Fortran 77: The Art of Scientific Computing*, 2nd ed. New York: Cambridge University Press, 1992.
- [20] D. Gabor, "Theory of Communication," *Journal of the Institute of Electrical Engineering*, Vol. 93, pp. 429-457, 1946.
- [21] D. J. Fleet, *Measurement of Image Velocity*. Massachusetts: Kluwer Academic Publishers, 1992.
- [22] D. J. Fleet and A. D. Jepson, "Computation of Component Image Velocity from Local Phase Information," *International Journal of Computer Vision*, Vol. 5, No. 1, pp. 77-104, 1990.
- [23] J. C. Russ, *The Image Processing Handbook*, 2nd ed. New York: CRC Press, 1995.
- [24] C. S. Lee, S. W. Lee, and S. L. Chuang, "Plot of modal field distribution in rectangular and circular waveguides," *IEEE Transactions on Microwave Theory and Techniques*, Vol. MTT-33, pp. 271-274, March 1985.
- [25] R. C. Hansen, *Microwave Scanning Antennas, Volume II – Array Theory and Practice*. New York: Academic Press, 1966.