

- 1 Introduction
- 2 Antenna Basics
- 3 The Antenna Family
- 4 Point Sources
- 5 Arrays of Point Sources
- 6 The Electric Dipole and Thin Linear Antennas
- 7 The Loop Antenna
- 8 End Fire Antennas: The Helical Beam Antenna and the Yagi-Uda Array
- 9 Slot, Patch and Horn Antennas 9II Slot and Horn Antennas II
- 10 Flat Sheet, Corner and Parabolic Reflector Antennas
- 11 Broadband and Frequency-Independent Antennas
- 12 Antenna Temperature, Remote Sensing and Radar Cross-Section
- 13 Self and Mutual Impedances
- 14 The Cylindrical Antenna and the Moment Method (MM)
- 15 The Fourier Transform Relation Between Aperture Distribution and Far-Field Pattern
- 16 Arrays of Dipoles and of Apertures
- 17 Lens Antennas
- 18 Frequency-Selective Surfaces and Periodic Structures Ben A. Munk
- 19 Practical Design Considerations of Large Aperture Antennas
- 20 Some Examples of Large or Unique Antennas
- 21 Antennas for Special Applications
- 22 Terahertz Antennas
- 23 Baluns, etc. Ben A. Munk
- 24 Antenna Measurements Arto Lehto and Pertti Vainikainen
- Appendix A Tables for Reference
- Appendix B Books and Video Tapes
- Appendix C Computer Programs (Codes)
- Appendix D Absorbing Materials
- Appendix E Measurement Error