

# Table of Contents

1. Vector Analysis	1
2. Electrostatics	59
3. Potentials	113
4. Electric Fields in Matter	167
5. Magnetostatics	211
6. Magnetic Fields in Matter	269
7. Electrodynamics	299
8. Conservation Laws	359
9. Electromagnetic Waves	387
10. Radiation	441
11. Electrodynamics and Relativity	479
12. Potentials and Fields	553
Appendix: The Helmholtz Theorem	583

# Table of Contents

Appendix: Units	587
Endpapers	593
Index	597