

CONTENTS

CHAPTER	PAGE
PREFACE	v
1 FIELDS	1
2 BASIC CONCEPTS	29
3 MAXWELL'S EQUATIONS	50
4 CHARGES WITH NO RELATIVE MOTION	65
5 CHARGES IN UNIFORM MOTION	86
6 ACCELERATED CHARGES	114
7 SKIN EFFECT	133
8 WAVES	155
9 WAVEGUIDES	177
10 ANTENNAS	209
11 MOVING SYSTEMS	237
12 RELATIVISTIC ELECTRODYNAMICS	263
APPENDIX	
A NOTATION	294
B ELECTROMAGNETIC UNITS	298
C THREE COORDINATE SYSTEMS	300
D SOME DIFFERENTIAL EQUATIONS	306
INDEX	309