

CONTENTS

Preface .....	1
Errata .....	3
Numerical and Algebraic .....	4
Vector Calculus .....	7
Dimensions and Units .....	26
Physical Constants .....	31
Metric Prefixes .....	35
Electricity and Magnetism .....	36
Maxwell's Equations .....	37
Electromagnetic Bands .....	38
AC Circuits .....	40
Dimensionless Numbers of Fluid Mechanics .....	42
Shocks .....	44
Plasma Dispersion Function .....	45
Fundamental Plasma Parameters .....	47
Approximate Magnitudes in Typical Plasmas .....	51
Collisions and Transport .....	53
Ionospheric Parameters .....	74
Controlled Thermonuclear Reactions (CTR) .....	75
Relativistic Electron Beams .....	79
Electrostatic Streaming Instabilities .....	82
Lasers .....	85
Atomic Physics and Radiation .....	88