

<<连续介质电动力学>>

图书基本信息

书名：<<连续介质电动力学>>

13位ISBN编号：9787506242622

10位ISBN编号：7506242621

出版时间：1999-5

出版公司：世界图书出版公司

作者：L.D.Landau,E.M.Lifshitz

页数：460

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

<<连续介质电动力学>>

内容概要

TWENTY-FIVE years have passed since the writing of this volume in its first edition. Such a long interval has inevitably made necessary a fairly thorough revision and expansion of the book for its second edition. The original choice of material was such that, with some very slight exceptions, it has not become obsolete. In this part, only some relatively minor additions and improvements have been made.

<<连续介质电动力学>>

书籍目录

Preface to the second edition Preface to the first English edition Notation .ELECTROSTATICS OF CONDUCTORS 1.The electrostatic field of conductors 2.The energy of the electrostatic field of conductors 3.Methods of solving problems in electrostatics 4.A conducting ellipsoid 5.The forces on a conductor .ELECTROSTATICS OF DIELECTRICS 6.The electric field in dielectrics 7.The permittivity 8.A dielectric ellipsoid 9.The permittivity of a mixture 10.Thermodynamic relations for dielectrics in an electric field 11.The total free energy of a dielectric 12.Electrostriction of isotropic dielectrics 13.Dielectric properties of crystals 14.The sign of the dielectric susceptibility 15.Electric forces in a fluid dielectric 16.Electric forces in solids 17.Piezoelectrics 18.Thermodynamic inequalities 19.Ferroelectrics 20.Improper ferroelectrics .STEADY CURRENT 21.The current density and the conductivity 22.The Hall effect 23.The contact potential 24.The galvanic cell 25.Electrocapillarity 26.Thermoelectric phenomena 27.Thermoelectric phenomena 28.Diffusion phenomena .STATIC MAGNETIC FIELD 29.Static magnetic field 30.The magnetic field of a steady current 31.Thermodynamic relations in a magnetic field 32.The total free energy of a magnetic substance 33.The energy of a system of currents 34.The self-inductance of linear conductors 35.Forces in a magnetic field 36.Gyromagnetic phenomena .FERROMAGNETISM AND ANTIFERROMAGNETISM .SUPERCONDUCTIVITY .QUASI-STATIC ELECTROMAGNETIC FIELD .MAGNETOHYDRODYNAMICS .THE ELECTROMAGNETIC WAVE EQUATIONS .THE PROPAGATION OF ELECTROMAGNETIC WAVES .ELECTROMAGNETIC WAVES IN ANISOTROPIC MEDIA .SPATIAL DISPERSION .NON-LINEAR OPTICS .THE PASSAGE OF FAST PARTICLES THROUGH MATTER .SCATTERING OF ELECTROMAGNETIC WAVES .DIFFRACTION OF X-RAYS IN CRYSTALS Appendix Index

<<连续介质电动力学>>

版权说明

本站所提供下载的PDF图书仅提供预览和简介, 请支持正版图书。

更多资源请访问:<http://www.tushu007.com>