

<<大学物理简明教程（上下册）>>

图书基本信息

书名：<<大学物理简明教程（上下册）>>

13位ISBN编号：9787030365545

10位ISBN编号：7030365542

出版时间：2013-1

出版人：王安安、伏云昌 科学出版社 (2013-01出版)

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>

<<大学物理简明教程(上下册)>>

内容概要

《普通高等教育"十二五"规划教材:大学物理简明教程(第2版)(英文版)(套装上下册)》是按照《理工科类大学物理课程教学基本要求(2010年版)》修订的,涵盖了所有A类的内容,选择了部分B类的内容,如非惯性系、质心、气体的范德瓦尔斯方程、玻尔兹曼分布、几何光学、固体能带论和激光简介等。

为方便上、下两学期的教学安排,本次改版将原三册改编为上、下两册。

《普通高等教育"十二五"规划教材:大学物理简明教程(第2版)(英文版)(套装上下册)》共19章:上册为力学和电磁学;下册为热学、振动与波动、光学和近代物理。

配有双语课件光盘。

《普通高等教育"十二五"规划教材:大学物理简明教程(第2版)(英文版)(套装上下册)》可供理工科非物理专业112-128学时双语教学使用,也可供在某一部分内容进行双语教学试点选用,还可供对英文物理感兴趣的广大读者自学或作参考书用。

书籍目录

《普通高等教育“十二五”规划教材：大学物理简明教程（英文版）上》目录：Part One Mechanics
 Chapter 1 Kinematics 1.1 Frame of Reference and Particle 1.2 Displacement, Velocity, and Acceleration 1.3 Two Types of Problems in Kinematics and Sample Problems 1.4 Circular Motion 1.5 Relative Motion Questions Problems
 Chapter 2 Dynamics-Newton's Laws of Motion 2.1 Newton's Laws, Force, and Inertial Reference Frame 2.2 The Forces in Mechanics and the Fundamental Forces in Nature 2.3 Fundamental Quantities, Units, and Dimensions 2.4 Applying Newton's Laws of Motion 2.5 Galilean Transformations 2.6 Non-inertial Frame and Inertial Force Questions Problems
 Chapter 3 Work and Energy 3.1 Work 3.2 Kinetic Energy and the Law of Kinetic Energy 3.3 Conservative Force and Potential Energy of Weight 3.4 Elastic Potential Energy and Universal Gravitational Potential Energy 3.5 Conservation of Mechanical Energy 3.6 The Conservation of Energy Questions Problems
 Chapter 4 Momentum 4.1 Linear Momentum, Linear Impulse, and Momentum Theorem 4.2 Conservation of Momentum 4.3 Collision 4.4 Conservation of Angular Momentum of a Particle 4.5 The Center of Mass Questions Problems
 Chapter 5 Rotation of a Rigid Body 5.1 Motion of a Rigid Body 5.2 Torque, the Law of Rotation, and Rotational Inertia 5.3 Applying the Law of Rotation 5.4 Kinetic Energy and Work in Rotational Motion 5.5 Angular Momentum of a Rigid Body and Conservation of Angular Momentum Questions Problems
 Part Two Electromagnetism
 Chapter 6 Static Electric Field in a Vacuum 6.1 Electric Charge and Coulomb's Law 6.2 The Electric Field 6.3 Electric Field Lines, Electric Flux, and Gauss' Law 6.4 Electric Potential 6.5 Equipotential Surface and Potential Gradient 6.6 The Electric Force Exerted on a Moving Charged Particle Questions Problems
 Chapter 7 Conductors and Dielectrics in Electrostatic Field 7.1 Conductors and Electrostatic Induction 7.2 Capacitors and Capacitance 7.3 Dielectrics 7.4 Gauss' Law in Dielectric 7.5 Energy Stored in an Electric Field Questions Problems
 Chapter 8 Magnetic Field of a Steady Current 8.1 The Magnetic Phenomena and Ampere's Hypothesis 8.2 The Magnetic Field, Magnetic Field Lines, and Magnetic Flux 8.3 Magnetic Fields Set Up by a Current and a Moving Charge 8.4 Ampere's Law 8.5 Motion of a Charged Particle in a Magnetic Field 8.6 Magnetic Force on Current—carrying Conductors 8.7 Magnetic Torque on a Current—carrying Loop 8.8 The Hall Effect 8.9 Magnetic Material 8.10 Ampere's Law and Gauss' Law for Magnetism 8.11 Ferromagnetism Questions Problems
 Chapter 9 Electromagnetic Induction 9.1 Nonelectrostatic Force, Source and Electromotive Force 9.2 Faraday's Law of Induction 9.3 Motional Electromotive Force 9.4 Induced Electric Fields 9.5 Self—induction and Mutual—induction Phenomena 9.6 Energy of the Magnetic Field 9.7 Displacement Current and Complete Current Law 9.8 Maxwell's Equations Questions Problems
 Appendix 1 The International System of Units Appendix 2 Some Fundamental Constants of Physics Words Answers to Problems 《普通高等教育“十二五”规划教材：大学物理简明教程（英文版）下》

章节摘录

版权页： 插图：

<<大学物理简明教程（上下册）>>

编辑推荐

《普通高等教育"十二五"规划教材:大学物理简明教程(英文版)(套装共2册)》可供理工科非物理专业112~128学时双语教学使用,也可供在某一部分内容进行双语教学试点选用,还可供对英文物理感兴趣的广大读者自学或作参考书用。

<<大学物理简明教程（上下册）>>

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>