

<<应用光学>>

图书基本信息

书名：<<应用光学>>

13位ISBN编号：9787564005269

10位ISBN编号：7564005262

出版时间：2005-7

出版时间：北京理工大学出版社

作者：Edward Allen,Patrick Rand

页数：248

字数：312000

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>

<<应用光学>>

内容概要

本书阐述了几何光学、典型光学仪器原理，光度学、色度学、光纤光学系统、激光光学系统等的基本理论和方法，针对性强，加入了作者及其教研室老师长期研究的成果。

此外，书中的习题非常具有特色，几乎均是作者及其教研室老师从多年来的科研工作中提炼出来的。

书籍目录

Chapter 1 Basic Principles of Geometrical Optics 1.1 Waves and Rays 1.2 Basic Law of Geometrical Optics 1.3 Refractive Index and Speed of Light 1.4 Reversibility of Ray Paths and Total Internal Reflection 1.5 Vector Form of Basic Laws 1.6 Classification of Optical Systems and Concept of Imaging 1.7 Ideal Images and Ideal Optical Systems Chapter 2 Image Formation of Symmetrical Systems Made from Spherical Surfaces 2.1 Ray Tracing Formulae for Symmetrical Systems Made from Spherical Surfaces 2.2 Sign Convention 2.3 Imaging Characters and Ray Tracing in the Paraxial Region 2.4 Basic Formula of Paraxial Region 2.5 Cardinal Points of an Optical System 2.6 Principal Planes and Focal Points of a Coaxial Spheric System 2.7 Principal Planes and Focal Points of a Coaxial Spheric System 2.8 Chart ILLUSTRATION FOR iMAGE fORMATION 2.9 Image Position and Size 2.10 Magnifications of Optical Systems 2.11 Optical Invariant 2.12 Relationship between Front Effective and Back Effective Focal Lengths 2.13 Nodal Planes and Nodal Points 2.14 Image Heigh of the Object at Infinity 2.15 The Combination of Ideal Optical Systems 2.16 Ray Tracing for Ideal Optical Systems 2.17 Equations for Calculating Positions of Principal Planes and Focal Focal Points of a Single Lens Chapter 3 Instruments for Human Eyes ... Chapter 4 Mirror and Prism Systems Chapter 5 Selection of Image Rays in Optical Systems Chapter 6 Basics of Radiometry and Photometry Chapter 7 Image Quality of Optical System Chapter 8 Telescope and Microscope Chapter 9 Camera and Projector Vocabulary Bibliography

<<应用光学>>

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>