

<<量子力学专题选>>

图书基本信息

书名：<<量子力学专题选>>

13位ISBN编号：9787506249744

10位ISBN编号：750624974X

出版时间：2001-4

出版时间：世界图书出版公司(此信息作废)

作者：perelomov

页数：335

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>

<<量子力学专题选>>

内容概要

Just as a "demographic explosion" gives much trouble to sociologists and economists, the problem of an "information explosion" is in the face of scientists and teachers in all its magnitude.

The difference between both problems is in fact that the birth-rate of the population can be limited much more easily than the birth-rate of articles.

Only the editors of scientific journals dream about the Golden Age when authors themselves would criticize their own works and reject all of them except brilliant ones.

The birth of an article which represents even a small step forward from the generally accepted level of knowledge gives a satisfaction and a pleasure which the author cannot overcome. In our opinion, one should not try to fight against the "information explosion", but rather try to direct its energy, i.e. efforts of the huge army of scientists, into a common channel.

本书为英文版。

<<量子力学专题选>>

作者简介

作者：(俄)A.M.Perelomov (俄)Y.B.Zel'dovich

<<量子力学专题选>>

书籍目录

Preface Chapter 1. Discrete Spectrum 1. Introduction 2. States with small binding energy 3. Point interaction and its correspondence to boundary conditions 4. Particle in field of several point potentials 5. The Coulomb potential 6. Three-dimensional oscillator 7. Virial theorem and its generalizations 8. Identical particles and statistical physics Chapter 2. Continuous Spectrum 1. Introduction. Wave functions of continuous spectrum with $l = 0$ 2. Motion with orbital angular momentum $l \neq 0$ Motion in the Coulomb field 3. Wave functions of continuous spectrum. Scattering cross-section 4. Optical theorem and its generalization Chapter 3. Analytic Properties of Wave Function Chapter 4. Inverse Scattering Problem Chapter 5. The Green Function and Perturbation Theory Chapter 6. Quasi-classical Approximation Chapter 7. Exact Solutions of Non-stationary Problems for Oscillator Chapter 8. Quasi-stationary States Appendix A. Specific cases of the Schrodinger equation spectrum Appendix B. Quasi-classical properties of highly excited levels in the Coulomb field Bibliography Subject Index

编辑推荐

Just as a "demographic explosion" gives much trouble to sociologists and economists, the problem of an "information explosion" is in the face of scientists and teachers in all its magnitude. The difference between both problems is in fact that the birth-rate of the population can be limited much more easily than the birth-rate of articles. Only the editors of scientific journals dream about the Golden Age when authors themselves would criticize their own works and reject all of them except brilliant ones. The birth of an article which represents even a small step forward from the generally accepted level of knowledge gives a satisfaction and a pleasure which the author cannot overcome. In our opinion, one should not try to fight against the "information explosion", but rather try to direct its energy, i.e. efforts of the huge army of scientists, into a common channel.

<<量子力学专题选>>

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>