

<<宇宙学的物理基础>>

图书基本信息

书名：<<宇宙学的物理基础>>

13位ISBN编号：9787506292740

10位ISBN编号：7506292742

出版时间：2008

出版公司：世界图书出版公司（北京公司）

作者：V. Mukhanov

页数：421

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>

<<宇宙学的物理基础>>

内容概要

This book is meant to be neither encyclopedic nor a sourcebook for the most recent observational data. In fact, I avoid altogether the presentation of data; after all the data change very quickly and are easily accessible from numerous available monographs as well as on the Internet. Furthermore, I have intentionally restricted the discussion in this book to results that have a solid basis. I believe it is premature to present detailed mathematical consideration of controversial topics in a book on the foundations of cosmology and, therefore, such topics are covered only at a very elementary level.

<<宇宙学的物理基础>>

作者简介

作者：(德国)马克翰维 (Mukhanov.v.)

<<宇宙学的物理基础>>

书籍目录

Foreword by Professor Andrei Linde Preface Acknowledgements Units and conventions Part I Homogeneous isotropic universe 1 Kinematics and dynamics of an expanding universe 1.1 Hubble law 1.2 Dynamics of dust in Newtonian cosmology 1.3 From Newtonian to relativistic cosmology 2 Propagation of light and horizons 2.1 Light geodesics 2.2 Horizons 2.3 Conformal diagrams 2.4 Redshift 2.5 Kinematic tests 3 The hot universe 3.1 The composition of the universe 3.2 Brief thermal history 3.3 Rudiments of thermodynamics 3.4 Lepton era 3.5 Nucleosynthesis 3.6 Recombination 4 The very early universe 4.1 Basics 4.2 Quantum chromodynamics and quark-gluon plasma 4.3 Electroweak theory 4.4 "Symmetry restoration" and phase transitions 4.5 Instantons, sphalerons and the early universe 4.6 Beyond the Standard Model 5 Inflation I: homogeneous limit Part II Inhomogeneous universe 6 Gravitational instability in Newtonian theory 7 Gravitational instability in General Relativity 8 Inflation II : origin of the primordial inhomogeneities 9 Cosmic microwave background anisotropies Bibliography Expanding universe (Chapters 1 and 2) Hot universe and nucleosynthesis (Chapter 3) Particle physics and early universe (Chapter 4) Inflation (Chapters 5 and 8) Gravitational instability (Chapters 6 and 7) CMB fluctuations (Chapter 9) Index

<<宇宙学的物理基础>>

章节摘录

插图：

<<宇宙学的物理基础>>

编辑推荐

《宇宙学的物理基础》由世界图书出版公司出版。

<<宇宙学的物理基础>>

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>