

<<量子场论 第2卷>>

图书基本信息

书名 : <<量子场论 第2卷>>

13位ISBN编号 : 9787506266383

10位ISBN编号 : 7506266385

出版时间 : 2004-11

出版时间 : 世界图书出版社

作者 : Steven Weinberg

页数 : 489

版权说明 : 本站所提供之下载的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>

<<量子场论 第2卷>>

内容概要

This volume describes the advances in the quantum theory of fields that have led to an understanding of the electroweak and strong interactions of the elementary particles. These interactions have all turned out to be governed by principles of gauge invariance, so we start here in Chapters 1'5-17 with gauge theories, generalizing the familiar gauge invariance of electrodynamics to non-Abelian Lie groups.

<<量子场论 第2卷>>

书籍目录

PREFACE TO VOLUME II. NOTATION 15 NON-ABELIAN GAUGE THEORIES 15.1 Gauge Invariance
15.2 Gauge Theory Lagrangians and Simple Lie Groups 15.3 Field Equations and Conservation Laws 15.4
Quantization 15.5 The De Witt-Faddeev-Popov Method 15.6 Ghosts 15.7 BRST Symmetry 15.8
Generalizations of BRST Symmetry 15.9 The Batalin-Vilkovisky Formalism Appendix A A Theorem Regarding
Lie Algebras Appendix B The Cartan Catalog Problems References 16 EXTERNAL FIELD METHODS 16.1
The Quantum Effective Action 16.2 Calculation of the Effective Potential 16.3 Energy Interpretation 16.4
Symmetries of the Effective Action Problems References 17 RENORMALIZATION OF GAUGE THEORIES 18
RENORMALIZATION GROUP METHODS 19 SPONTANEOUSLY BROKEN GLOBAL SYMMETRIES 20
OPERATOR PRODUCT EXPANSIONS 21 SPONTANEOUSLY BROKEN GAUGE SYMMETRIES 22
ANOMALIES 23 EXTENDED FIELD CONFIGURATIONS Appendix A Euclidean Path Integrals Appendix B A
List of Homotopy Groups Problems References Author INDEX SUBJECT INDEX

<<量子场论 第2卷>>

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>