

<<莫尔斯理论>>

图书基本信息

书名：<<莫尔斯理论>>

13位ISBN编号：9787510037481

10位ISBN编号：7510037484

出版时间：2011-7

出版人：世界图书出版公司

作者：John Milnor

页数：153

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>

<<莫尔斯理论>>

内容概要

This book gives a present-day account of Marston Morse's theory of the calculus of variations in the large. However, there have been Im-portant developments during the past few years which are not mentioned. Let me describe three of these.

<<莫尔斯理论>>

作者简介

作者：(美国)米尔诺 (J.Milnor)

<<莫尔斯理论>>

书籍目录

PREFACE
PART 1 NON-DEGENERATE SMOOTH FUNCTIONS ON A MANIFOLD
Introduction
Definitions and Lemmas
Homotopy Type in Terms of Critical Values
Examples
The Morse Inequalities
Manifolds in Euclidean Space: The Existence of Non-degenerate Functions
The Lefschetz Theorem on Hyperplane Sections
PART 2 A RAPID COURSE IN RIEMANNIAN GEOMETRY
Covariant Differentiation
The Curvature Tensor
Geodesics and Completeness
PART 3 THE CALCULUS OF VARIATIONS APPLIED TO GEODESICS
The Path Space of a Smooth Manifold
The Energy of a Path
The Hessian of the Energy Function at a Critical Path
Jacobi Fields: The Null-space of E''
The Index Theorem
A Finite Dimensional Approximation to π_1
The Topology of the Full Path Space
Existence of Non-conjugate Points
Some Between Topology and Curvature
PART 4 APPLICATIONS TO LIE GROUPS AND SYMMETRIC SPACES
Symmetric Spaces
Lie Groups as Symmetric Spaces
Whole Manifolds of Minimal Geodesics
The Bott Periodicity Theorem for the Unitary Group
The Periodicity Theorem for the Orthogonal Group
APPENDIX THE HOMOTOPY TYPE OF A MONOTONE UNION

<<莫尔斯理论>>

章节摘录

版权页：插图：

<<莫尔斯理论>>

编辑推荐

《莫尔斯理论(英文)》由世界图书出版公司出版。

<<莫尔斯理论>>

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>