

<<几何不变量理论>>

图书基本信息

书名：<<几何不变量理论>>

13位ISBN编号：9787510046469

10位ISBN编号：7510046467

出版时间：2012-8

出版时间：世界图书出版公司

作者：芒福德

页数：292

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>

<<几何不变量理论>>

内容概要

This edition of the book has been extended to take account of one of these developments , one which was just hinted at in the second edition. A close and very fruitful relationship has been discovered between geometric invariant theory for quasi projective complex varieties and the moment map in Symplectic geometry , and a chapter has been added describing this relationship and some of its applications. In an infinite-dimensional setting the moment map links geometric invariant theory and Yang-Mills theory , which has of course been the focus of much attention among mathematicians over the last fifteen years.

In style this extra chapter is closer to the appendices added in the second edition than to the original text. In particular no proofs are given where satisfactory references exist.

<<几何不变量理论>>

书籍目录

Chapter 0.Preliminaries

- 1.Definitions
- 2.First properties
- 3.Good and bad actions
- 4.Further properties
- 5.Resume of some results of GORRHENDIECK

Chapter 1.Fundamental theorems for the actions of reductive groups

- 1.Definitions
- 2.The affine case
- 3.Linearization of an invertible sheaf
- 4.The general case
- 5.Functional properties

Chapter 2.Analysis of stability

- 1.A numeral criterion
- 2.The flag complex
- 3.Applications

Chapter 3.An elementary example

- 1.Pre-stability
- 2 . Stability

Chapter 4.Further examples

- 1.Binary quantics
- 2.Hypersurfaces
- 3.Counter-examples
- 4.Sequences of linear subspaces
- 5.The projective adjoint action
- 6.Space curves

Chapter 5.The problem of moduli-18t construction

- 1.General discussion
- 2.Moduli as an orbit space
- 3.First chern classes
- 4.Utilization of 4.6

Chapter 6.Abelian , schemes

- 1 . Duals
- 2.Polarizations
- 3.Deformations

Chapter 7.The method of covariant : 2nd construction

- 1.The technique
- 2.Moduli as an orbit space
- 3.The covariant
- 4.Application to curves

Chapter 8.The moment map

- 1.Symplectic geometry
- 2.Symplectic quotients and geometric invariant theory
- 3.Kahler and hyperkahler quotients

<<几何不变量理论>>

- 4.Singular quotients
- 5.Geometry of the moment map
- 6.The cohomology of quotients : the symplectic case
- 7.The cohomology of quotients : the algebraic case
- 8.Vector bundles and the Yang-Mills functional
- 9.Yang-Mills theory over Riemann surfaces
- Appendix to Chapter 1
- Appendix to Chapter 2
- Appendix to Chapter 3
- Appendix to Chapter 4
- Appendix to Chapter 5
- Appendix to Chapter 7
- References
- Index of definitions and notations

<<几何不变量理论>>

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>