

<<代数曲面和全纯向量丛>>

图书基本信息

书名：<<代数曲面和全纯向量丛>>

13位ISBN编号：9787510004681

10位ISBN编号：7510004683

出版时间：2009-6

出版时间：世界图书出版公司

作者：Robert Friedman

页数：328

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>

<<代数曲面和全纯向量丛>>

内容概要

《代数曲面和全纯向量丛(英文版)》主要包括：An Introduction to Elliptic Surfaces、Singular fibers、Singulex fibers of elliptic fibrations、Invariants and the canonical bundle formula、Elliptic surfaces with a section and Weierstrass models、More general elliptic surfaces、The fundamental group等。

<<代数曲面和全纯向量丛>>

书籍目录

Preface Introduction 1 Curves on a Surface Introduction Invariants of a surface Divisors on a surface Adjunction and arithmetic genus The Riemann-Roch formula Algebraic proof of the Hodge index theorem Ample and nef divisors Exercises 2 Coherent Sheaves What is a coherent sheaf? A rapid review of Chern classes for projective varieties Rank 2 bundles and sub-line bundles Elementary modifications Singularities of coherent sheaves Torsion free and reflexive sheaves Double covers Appendix: some commutative algebra Exercises 3 Birational Geometry Blowing up The Castelnuovo criterion and factorization of birational morphisms Minimal models More general contractions Exercises 4 Stability Definition of Mumford-Takemoto stability Examples for curves Some examples of stable bundles on P^2 Gieseker stability Unstable and semistable sheaves Change of polarization The differential geometry of stable vector bundles Exercises 5 Some Examples of Surfaces Rational ruled surfaces General ruled surfaces Linear systems of cubics An introduction to K3 surfaces Exercises 6 Vector Bundles over Ruled Surfaces Suitable ample divisors Ruled surfaces A brief introduction to local and global moduli A Zariski open subset of the moduli space Exercises 7 An Introduction to Elliptic Surfaces Singular fibers Singular fibers of elliptic fibrations Invariants and the canonical bundle formula Elliptic surfaces with a section and Weierstrass models More general elliptic surfaces The fundamental group Exercises 8 Vector Bundles over Elliptic Surfaces Stable bundles on singular curves Stable bundles of odd fiber degree over elliptic surface* A Zariski open subset of the moduli space An overview of Donaldson invariants The 2-dimensional invariant 9 Bogomolov's Inequality and Applications 10 Classification of Algebraic Surfaces and of Stable Bundles References Index

<<代数曲面和全纯向量丛>>

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>