

<<代数几何基础教程>>

图书基本信息

书名：<<代数几何基础教程>>

13位ISBN编号：9787506247146

10位ISBN编号：7506247143

出版时间：2000-6

出版人：世界图书出版公司

作者：J.Harris

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>

## <<代数几何基础教程>>

### 内容概要

This book is based on one-semester courses given at Harvard in 1984, at Brown in 1985, and at Harvard in 1988. It is intended to be, as the title suggests, a first introduction to the subject. Even so, a few words are in order about the purposes of the book. Algebraic geometry has developed tremendously over the last century. During the 19th century, the subject was practiced on a relatively concrete, down-to-earth level; the main objects of study were projective varieties, and the techniques for the most part were grounded in geometric constructions. This approach flourished during the middle of the century and reached its culmination in the work of the Italian school around the end of the 19th and the beginning of the 20th centuries. Ultimately, the subject was pushed beyond the limits of its foundations: by the end of its period the Italian school had progressed to the point where the language and techniques of the subject could no longer serve to express or carry out the ideas of its best practitioners.

<<代数几何基础教程>>

书籍目录

Preface Acknowledgments Using This Book  
PART I: EXAMPLES OF VARIETIES AND MAPS  
LECTURE 1 Affine and Projective Varieties  
LECTURE 2 Regular Functions and Maps  
LECTURE 3 Cones, Projections, and More About Products  
LECTURE 4 Families and Parameter Spaces  
LECTURE 5 Ideals of Varieties, Irreducible Decomposition, and the Nullstellensatz  
LECTURE 6 Grassmannians and Related Varieties  
LECTURE 7 Rational Functions and Rational Maps  
LECTURE 8 More Examples  
LECTURE 9 Determinantal Varieties  
LECTURE 10 Algebraic Groups  
PART II: ATTRIBUTES OF VARIETIES  
LECTURE 11 Definitions of Dimension and Elementary Examples  
LECTURE 12 More Dimension Computations  
LECTURE 13 Hilbert Polynomials  
LECTURE 14 Smoothness and Tangent Spaces  
LECTURE 15 Gauss Maps, Tangential and Dual Varieties  
LECTURE 16 Tangent Spaces to Grassmannians  
LECTURE 17 Further Topics Involving Smoothness and Tangent Spaces  
LECTURE 18 Degree  
LECTURE 19 Further Examples and Applications of Degree  
LECTURE 20 Singular Points and Tangent Cones  
LECTURE 21 Parameter Spaces and Moduli Spaces  
LECTURE 22 Quadrics  
Hints for Selected Exercises  
References  
Index

<<代数几何基础教程>>

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>