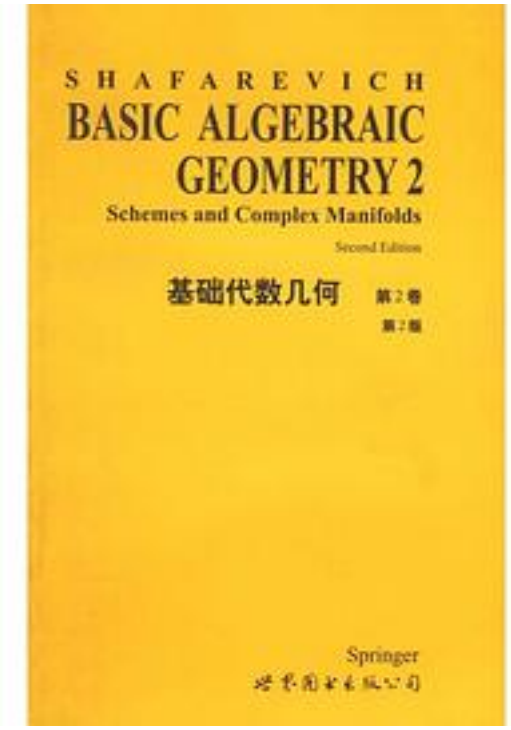
基础代数几何（第2卷-第2版）（英文版）



基础代数几何（第2卷-第2版）（英文版）_下载链接1_

著者:I.R.Shafarevich

出版者:世界图书出版公司

出版时间:1998-3-1

装帧:

isbn:9787750623628

Books 2 and 3 correspond to Chap. V-IX of the first edition. They study schemes and complex manifolds, two notions that generalise in different directions the varieties in projective space studied in Book 1. Introducing them leads also to new results in the theory of projective varieties. For example, it is within the framework of the theory of schemes and abstract varieties that we find the natural proof of the adjunction formula for the genus of a curve, which we have already stated and applied in Chap. IV, 2.3. The theory of complex analytic manifolds leads to the study of the topology of projective varieties over the field of complex numbers. For some questions it is only here that the natural and historical logic of the subject can be reasserted; for example, differential

forms were constructed in order to be integrated, a process which only makes sense for varieties over the (mai or) complex fields. Changes from the First Edition

作者介绍:

目录: BOOK 2. Schemes and Varieties
Chapter V. Schemes
1. The Spec of a Ring
2. Sheaves
3. Schemes
4. Products of Schemes
Chapter VI. Varieties
1. Definitions and Examples
2 Abstract and Quasiprojective Varieties
3 Coherent Sheaves
4 Classification of Geometric Objects and Universal Schemes
BOOK 3. Complex Algebraic Varieties and Complex Manifolds
Chapter VII. The Topology of Algebraic Varieties
1. The Complex Topology
2. Connectedness
3. The Topology of Algebraic Curves
4. Real Algebraic Curves
Chapter VIII. Complex Manifolds
1. Definitions and Examples
2. Divisors and Meromorphic Functions
3 Algebraic Varieties and Complex Manifolds
4. Kahler Manifolds
Chapter IX. Uniformisation
1. The Universal Cover
2 Curves of Parabolic Type
3 Curves of Hyperbolic Type
4. Uniformising Higher Dimensional Varieties
Historical Sketch
1. Elliptic Integrals
2. Elliptic Functions
3. Abelian Integrals
4. Riemann Surfaces
5. The Inversion of Abelian Integrals
6. The Geometry of Algebraic Curves
7. Higher Dimensional Geometry
8. The Analytic Theory of Complex Manifolds
9. Algebraic Varieties over Arbitrary Fields and Schemes
References
Index
・・・・・・(收起)

标签

代数几何

数学

代数

小布的数理学

几何学

代数几何7

Algebraic_Geometry

评论

域扩张和拓扑上流形是代数几何中仿射簇推广的两个方向；O（specA)=A;向量丛仅仅是集合论，而局部自由层则是代数结构；环的谱同构于谱的闭子集。代数闭域中代数簇X，正规函数环K（X)；对应任意环A谱spec（A),和结构环层O，结构层的茎不依赖它是不是点还是邻域

入门书，但是没看过后半部分，前半部分不错。

适合浅尝辄止

基础代数几何（第2卷-第2版）（英文版）_下载链接1_

书评

基础代数几何（第2卷-第2版）（英文版）_下载链接1_