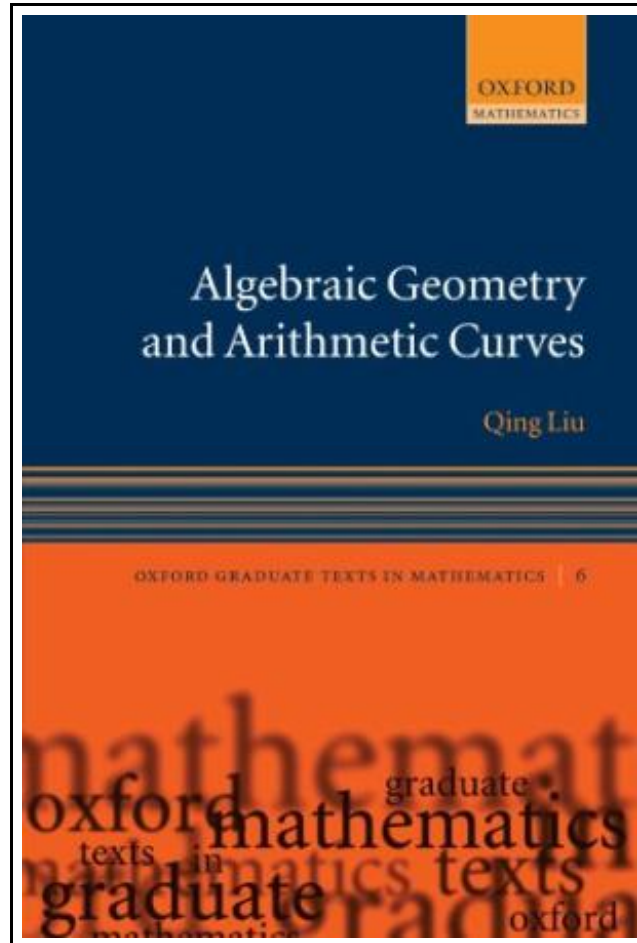


## Algebraic Geometry and Arithmetic Curves



Filesize: 8.62 MB

### ***Reviews***

*These types of book is the greatest ebook readily available. I was able to comprehend every little thing using this published e pdf. I realized this pdf from my dad and i encouraged this publication to discover.*

***(Dr. Porter Mitchell)***

## ALGEBRAIC GEOMETRY AND ARITHMETIC CURVES



To download **Algebraic Geometry and Arithmetic Curves** eBook, remember to follow the web link below and download the file or gain access to other information which are have conjunction with ALGEBRAIC GEOMETRY AND ARITHMETIC CURVES ebook.

Oxford University Press. Paperback. Book Condition: new. BRAND NEW, Algebraic Geometry and Arithmetic Curves, Qing Liu, Reinie Erne, This new-in-paperback edition provides a general introduction to algebraic and arithmetic geometry, starting with the theory of schemes, followed by applications to arithmetic surfaces and to the theory of reduction of algebraic curves. The first part introduces basic objects such as schemes, morphisms, base change, local properties (normality, regularity, Zariski's Main Theorem). This is followed by the more global aspect: coherent sheaves and a finiteness theorem for their cohomology groups. Then follows a chapter on sheaves of differentials, dualizing sheaves, and Grothendieck's duality theory. The first part ends with the theorem of Riemann-Roch and its application to the study of smooth projective curves over a field. Singular curves are treated through a detailed study of the Picard group. The second part starts with blowing-ups and desingularisation (embedded or not) of fibered surfaces over a Dedekind ring that leads on to intersection theory on arithmetic surfaces. Castelnuovo's criterion is proved and also the existence of the minimal regular model. This leads to the study of reduction of algebraic curves. The case of elliptic curves is studied in detail. The book concludes with the fundamental theorem of stable reduction of Deligne-Mumford. This book is essentially self-contained, including the necessary material on commutative algebra. The prerequisites are few, and including many examples and approximately 600 exercises, the book is ideal for graduate students.



**Read Algebraic Geometry and Arithmetic Curves Online**



**Download PDF Algebraic Geometry and Arithmetic Curves**

## See Also

**[PDF] Fox All Week: Level 3 (Paperback)**

Follow the web link beneath to download "FoxAll Week: Level 3 (Paperback)" document.

[Download eBook »](#)

**[PDF] Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)**

Follow the web link beneath to download "Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)" document.

[Download eBook »](#)

**[PDF] The Trouble with Trucks: First Reading Book for 3 to 5 Year Olds**

Follow the web link beneath to download "The Trouble with Trucks: First Reading Book for 3 to 5 Year Olds" document.

[Download eBook »](#)

**[PDF] What is in My Net? (Pink B) NF**

Follow the web link beneath to download "What is in My Net? (Pink B) NF" document.

[Download eBook »](#)

**[PDF] Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success**

Follow the web link beneath to download "Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success" document.

[Download eBook »](#)

**[PDF] Edge] the collection stacks of children's literature: Chunhyang Qiuyun 1.2 --- Children's Literature 2004(Chinese Edition)**

Follow the web link beneath to download "Edge] the collection stacks of children's literature: Chunhyang Qiuyun 1.2 --- Children's Literature 2004(Chinese Edition)" document.

[Download eBook »](#)