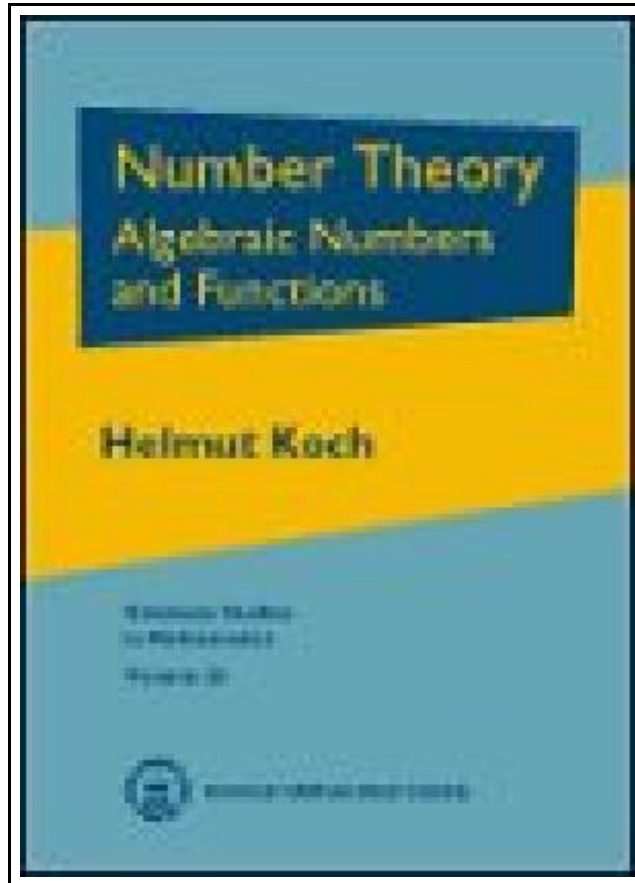


Number Theory: Algebraic Numbers and Functions



Filesize: 7.83 MB

Reviews

*Completely among the finest ebook We have at any time read through. it was actually writtern really properly and helpful. You are going to like just how the writer compose this publication.
(Mr. Deangelo Considine)*

NUMBER THEORY: ALGEBRAIC NUMBERS AND FUNCTIONS



To get **Number Theory: Algebraic Numbers and Functions** eBook, make sure you access the hyperlink below and download the document or gain access to other information which are have conjunction with NUMBER THEORY: ALGEBRAIC NUMBERS AND FUNCTIONS ebook.

American Mathematical Society. Hardback. Book Condition: new. BRAND NEW, Number Theory: Algebraic Numbers and Functions, Helmut Koch, Algebraic number theory is one of the most refined creations in mathematics. It has been developed by some of the leading mathematicians of this and previous centuries. The primary goal of this book is to present the essential elements of algebraic number theory, including the theory of normal extensions up through a glimpse of class field theory. Following the example set for us by Kronecker, Weber, Hilbert and Artin, algebraic functions are handled here on an equal footing with algebraic numbers. This is done on the one hand to demonstrate the analogy between number fields and function fields, which is especially clear in the case where the ground field is a finite field. On the other hand, in this way one obtains an introduction to the theory of 'higher congruences' as an important element of 'arithmetic geometry'. Early chapters discuss topics in elementary number theory, such as Minkowski's geometry of numbers, public-key cryptography and a short proof of the Prime Number Theorem, following Newman and Zagier. Next, some of the tools of algebraic number theory are introduced, such as ideals, discriminants and valuations. These results are then applied to obtain results about function fields, including a proof of the Riemann-Roch Theorem and, as an application of cyclotomic fields, a proof of the first case of Fermat's Last Theorem. There are a detailed exposition of the theory of Hecke L -series, following Tate, and explicit applications to number theory, such as the Generalized Riemann Hypothesis. Chapter 9 brings together the earlier material through the study of quadratic number fields. Finally, Chapter 10 gives an introduction to class field theory. The book attempts as much as possible to give simple proofs. It can be used by a beginner...



[Read Number Theory: Algebraic Numbers and Functions Online](#)



[Download PDF Number Theory: Algebraic Numbers and Functions](#)



[Download ePub Number Theory: Algebraic Numbers and Functions](#)

Other Books



[PDF] A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half

Access the web link below to download "A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half" file.

[Download eBook »](#)



[PDF] I'll Take You There: A Novel

Access the web link below to download "I'll Take You There: A Novel" file.

[Download eBook »](#)



[PDF] Genuine] kindergarten curriculum theory and practice(Chinese Edition)

Access the web link below to download "Genuine] kindergarten curriculum theory and practice(Chinese Edition)" file.

[Download eBook »](#)



[PDF] You Shouldn't Have to Say Goodbye: It's Hard Losing the Person You Love the Most

Access the web link below to download "You Shouldn't Have to Say Goodbye: It's Hard Losing the Person You Love the Most" file.

[Download eBook »](#)



[PDF] Children s Handwriting Book of Alphabets and Numbers: Over 4,000 Tracing Units for the Beginning Writer

Access the web link below to download "Children s Handwriting Book of Alphabets and Numbers: Over 4,000 Tracing Units for the Beginning Writer" file.

[Download eBook »](#)



[PDF] JA] early childhood parenting :1-4 Genuine Special(Chinese Edition)

Access the web link below to download "JA] early childhood parenting :1-4 Genuine Special(Chinese Edition)" file.

[Download eBook »](#)

**[PDF] Yearbook Volume 15**

Follow the link listed below to download and read "Yearbook Volume 15" document.

[Download Book »](#)

**[PDF] Free to Learn: Introducing Steiner Waldorf Early Childhood Education**

Follow the link listed below to download and read "Free to Learn: Introducing Steiner Waldorf Early Childhood Education" document.

[Download Book »](#)

**[PDF] Theoretical and practical issues preschool(Chinese Edition)**

Follow the link listed below to download and read "Theoretical and practical issues preschool(Chinese Edition)" document.

[Download Book »](#)

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

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

[Download Book »](#)

**[PDF] Scala in Depth**

Follow the link listed below to download and read "Scala in Depth" document.

[Download Book »](#)

**[PDF] Genuine] outstanding teachers work (teachers Expo Picks Books) (Chinese Edition)**

Follow the link listed below to download and read "Genuine] outstanding teachers work (teachers Expo Picks Books)(Chinese Edition)" document.

[Download Book »](#)