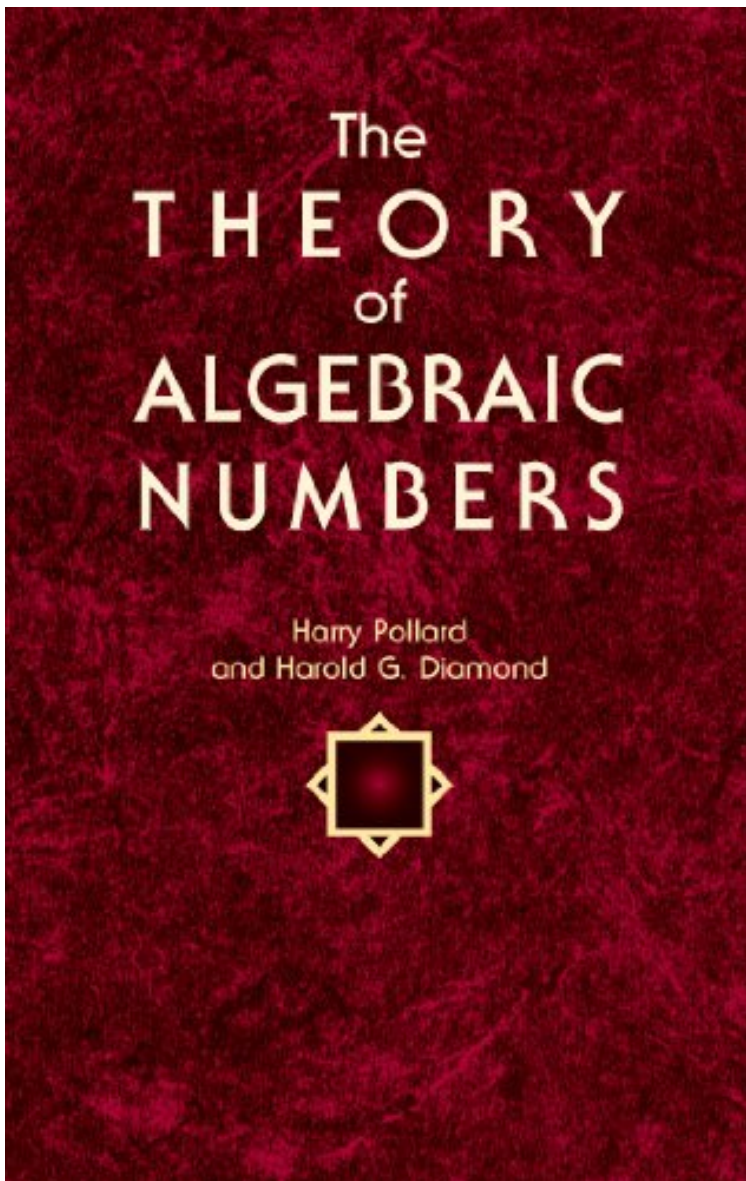


(Read and download) File size: 59.Mb

The Theory of Algebraic Numbers



*Par Harry Pollard, Harold G. Diamond
audiobook | *ebooks | Download PDF |
ePub | DOC*

Dtails sur le produit Publi le: 2012-07-12
Sorti le: 2012-06-14
Format: Ebook
Kindle

(Read and download) The Theory of Algebraic Numbers

Par Harry Pollard, Harold G. Diamond :
The Theory of Algebraic Numbers
before purchasing it in order to gage
whether or not it would be worth my time,
and all praised The Theory of Algebraic
Numbers:

Download

Read Online

Description :

Prsentation de l'diteurDetailed proofs and clear-cut explanations provide an excellent introduction to the elementary components of classical algebraic number theory in this concise, well-written volume.The authors, a pair of noted mathematicians, start with a discussion of divisibility and proceed to examine Gaussian primes (their determination and role in Fermat's theorem); polynomials over a field (including the Eisenstein irreducibility criterion); algebraic number fields; bases (finite extensions, conjugates and discriminants, and the cyclotomic field); and algebraic integers and integral bases. After establishing a firm introductory foundation, the text explores the uses of arithmetic in algebraic number fields; the fundamental

theorem of ideal theory and its consequences; ideal classes and class numbers; and the Fermat conjecture (concluding with discussions of Pythagorean triples, units in cyclotomic fields, and Kummer's theorem). In addition to a helpful list of symbols and an index, a set of carefully chosen problems appears at the end of each chapter to reinforce mathematics covered. Students and teachers of undergraduate mathematics courses will find this volume a first-rate introduction to algebraic number theory.