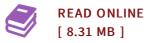


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Class Field Theory

By Daniel Fretwell

GRIN Verlag Jul 2011, 2011. Taschenbuch. Book Condition: Neu. 302x222x25 mm. This item is printed on demand - Print on Demand Neuware - Research Paper from the year 2011 in the subject Mathematics - Number Theory, grade: Postgraduate, University of Sheffield, language: English, abstract: This is the first in a two part series of papers establishing (with proof) the main theorems of global class field theory. We first recap some of the main ideas of algebraic number theory, using these to develop the Artin reciprocity law and the Takagi existence theorem both in terms of ideals and ideles. Finally, we use the Hilbert class field in order to study the well known problem of which prime numbers can be represented in the form x^2 + ny^2 for integers x,y and positive integer n. 24 pp. Englisch.



Reviews

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