



Primes of the Form x^2+ny^2 : Fermat, Class Field Theory, and Complex Multiplication

David A. Cox

Download now

[Click here](#) if your download doesn't start automatically

Primes of the Form x^2+ny^2 : Fermat, Class Field Theory, and Complex Multiplication

David A. Cox

Primes of the Form x^2+ny^2 : Fermat, Class Field Theory, and Complex Multiplication David A. Cox

An exciting approach to the history and mathematics of number theory


“... the author’s style is totally lucid and very easy to read ... the result is indeed a wonderful story.”
—*Mathematical Reviews*

Written in a unique and accessible style for readers of varied mathematical backgrounds, the *Second Edition* of *Primes of the Form $p = x_2^2 + ny_2^2$* details the history behind how *Pierre de Fermat’s* work ultimately gave birth to quadratic reciprocity and the genus theory of quadratic forms. The book also illustrates how results of Euler and Gauss can be fully understood only in the context of class field theory, and in addition, explores a selection of the magnificent formulas of complex multiplication.

Primes of the Form $p = x_2^2 + ny_2^2$, Second Edition focuses on addressing the question of when a prime p is of the form $x_2^2 + ny_2^2$, which serves as the basis for further discussion of various mathematical topics. This updated edition has several new notable features, including:

- A well-motivated introduction to the classical formulation of class field theory
- Illustrations of explicit numerical examples to demonstrate the power of basic theorems in various situations
- An elementary treatment of quadratic forms and genus theory
- Simultaneous treatment of elementary and advanced aspects of number theory
- New coverage of the Shimura reciprocity law and a selection of recent work in an updated bibliography

Primes of the Form $p = x_2^2 + ny_2^2$, Second Edition is both a useful reference for number theory theorists and an excellent text for undergraduate and graduate-level courses in number and Galois theory.

 [Download Primes of the Form \$x^2+ny^2\$: Fermat, Class Field The ...pdf](#)

 [Read Online Primes of the Form \$x^2+ny^2\$: Fermat, Class Field T ...pdf](#)

Download and Read Free Online Primes of the Form x^2+ny^2 : Fermat, Class Field Theory, and Complex Multiplication David A. Cox

From reader reviews:

Edward Payne:

The book Primes of the Form x^2+ny^2 : Fermat, Class Field Theory, and Complex Multiplication give you a sense of feeling enjoy for your spare time. You can utilize to make your capable more increase. Book can for being your best friend when you getting tension or having big problem with the subject. If you can make studying a book Primes of the Form x^2+ny^2 : Fermat, Class Field Theory, and Complex Multiplication being your habit, you can get a lot more advantages, like add your current capable, increase your knowledge about several or all subjects. You may know everything if you like start and read a guide Primes of the Form x^2+ny^2 : Fermat, Class Field Theory, and Complex Multiplication. Kinds of book are several. It means that, science reserve or encyclopedia or other people. So , how do you think about this e-book?

Edward Trotta:

What do you with regards to book? It is not important along with you? Or just adding material when you need something to explain what your own problem? How about your extra time? Or are you busy particular person? If you don't have spare time to accomplish others business, it is make you feel bored faster. And you have extra time? What did you do? Every individual has many questions above. They should answer that question simply because just their can do this. It said that about reserve. Book is familiar in each person. Yes, it is proper. Because start from on guardería until university need this particular Primes of the Form x^2+ny^2 : Fermat, Class Field Theory, and Complex Multiplication to read.

Doug Campbell:

As people who live in the modest era should be update about what going on or info even knowledge to make these keep up with the era that is certainly always change and move ahead. Some of you maybe will probably update themselves by examining books. It is a good choice for you but the problems coming to a person is you don't know which you should start with. This Primes of the Form x^2+ny^2 : Fermat, Class Field Theory, and Complex Multiplication is our recommendation so you keep up with the world. Why, as this book serves what you want and want in this era.

Carolyn Charles:

Do you among people who can't read pleasant if the sentence chained inside straightway, hold on guys that aren't like that. This Primes of the Form x^2+ny^2 : Fermat, Class Field Theory, and Complex Multiplication book is readable by simply you who hate the straight word style. You will find the details here are arrange for enjoyable reading experience without leaving possibly decrease the knowledge that want to deliver to you. The writer of Primes of the Form x^2+ny^2 : Fermat, Class Field Theory, and Complex Multiplication content conveys prospect easily to understand by many people. The printed and e-book are not different in the written content but it just different such as it. So , do you nonetheless thinking Primes of the Form x^2+ny^2 : Fermat, Class Field Theory, and Complex Multiplication is not loveable to be your top list reading

book?

**Download and Read Online Primes of the Form x^2+ny^2 : Fermat,
Class Field Theory, and Complex Multiplication David A. Cox
#9RNLCADPBWG**

Read Primes of the Form x^2+ny^2 : Fermat, Class Field Theory, and Complex Multiplication by David A. Cox for online ebook

Primes of the Form x^2+ny^2 : Fermat, Class Field Theory, and Complex Multiplication by David A. Cox Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Primes of the Form x^2+ny^2 : Fermat, Class Field Theory, and Complex Multiplication by David A. Cox books to read online.

Online Primes of the Form x^2+ny^2 : Fermat, Class Field Theory, and Complex Multiplication by David A. Cox ebook PDF download

Primes of the Form x^2+ny^2 : Fermat, Class Field Theory, and Complex Multiplication by David A. Cox Doc

Primes of the Form x^2+ny^2 : Fermat, Class Field Theory, and Complex Multiplication by David A. Cox Mobipocket

Primes of the Form x^2+ny^2 : Fermat, Class Field Theory, and Complex Multiplication by David A. Cox EPub