Complex Multiplication and Lifting Problems (Mathematical Surveys and Monographs)

Ching-Li Chai, Brian Conrad, Frans Oort

Complex Multiplication and Lifting Problems (Mathematical Surveys and Monographs)

Ching-Li Chai, Brian Conrad, Frans Oort

Complex Multiplication and Lifting Problems (Mathematical Surveys and Monographs) Ching-Li Chai, Brian Conrad, Frans Oort

Abelian varieties with complex multiplication lie at the origins of class field theory, and they play a central role in the contemporary theory of Shimura varieties. They are special in characteristic 0 and ubiquitous over finite fields. This book explores the relationship between such abelian varieties over finite fields and over arithmetically interesting fields of characteristic 0 via the study of several natural CM lifting problems which had previously been solved only in special cases. In addition to giving complete solutions to such questions, the authors provide numerous examples to illustrate the general theory and present a detailed treatment of many fundamental results and concepts in the arithmetic of abelian varieties, such as the Main Theorem of Complex Multiplication and its generalizations, the finer aspects of Tate's work on abelian varieties over finite fields, and deformation theory. This book provides an ideal illustration of how modern techniques in arithmetic geometry (such as descent theory, crystalline methods, and group schemes) can be fruitfully combined with class field theory to answer concrete questions about abelian varieties. It will be a useful reference for researchers and advanced graduate students at the interface of number theory and algebraic geometry.

Download and Read Free Online Complex Multiplication and Lifting Problems (Mathematical Surveys and Monographs) Ching-Li Chai, Brian Conrad, Frans Oort

---

From reader reviews:

Stuart Ross:

The reserve untitled Complex Multiplication and Lifting Problems (Mathematical Surveys and Monographs) is the e-book that recommended to you to study. You can see the quality of the e-book content that will be shown to you actually. The language that article author use to explained their ideas are easily to understand. The copy writer was did a lot of investigation when write the book, hence the information that they share for you is absolutely accurate. You also could possibly get the e-book of Complex Multiplication and Lifting Problems (Mathematical Surveys and Monographs) from the publisher to make you much more enjoy free time.

Gregory Jones:

People live in this new day of lifestyle always attempt to and must have the free time or they will get wide range of stress from both daily life and work. So , whenever we ask do people have spare time, we will say absolutely yes. People is human not really a robot. Then we request again, what kind of activity have you got when the spare time coming to a person of course your answer may unlimited right. Then ever try this one, reading guides. It can be your alternative throughout spending your spare time, the particular book you have read is Complex Multiplication and Lifting Problems (Mathematical Surveys and Monographs).

Kelsey Palermo:

Do you have something that that suits you such as book? The guide lovers usually prefer to opt for book like comic, brief story and the biggest some may be novel. Now, why not hoping Complex Multiplication and Lifting Problems (Mathematical Surveys and Monographs) that give your enjoyment preference will be satisfied by simply reading this book. Reading addiction all over the world can be said as the opportunity for people to know world considerably better then how they react to the world. It can't be explained constantly that reading behavior only for the geeky particular person but for all of you who wants to be success person. So , for all of you who want to start reading through as your good habit, you could pick Complex Multiplication and Lifting Problems (Mathematical Surveys and Monographs) become your starter.

Elizabeth Bello:

What is your hobby? Have you heard in which question when you got scholars? We believe that that question was given by teacher for their students. Many kinds of hobby, Everybody has different hobby. And also you know that little person including reading or as reading become their hobby. You need to understand that reading is very important in addition to book as to be the factor. Book is important thing to incorporate you knowledge, except your own personal teacher or lecturer. You get good news or update regarding something by book. Many kinds of books that can you decide to try be your object. One of them is niagra Complex Multiplication and Lifting Problems (Mathematical Surveys and Monographs).

Download and Read Online Complex Multiplication and Lifting Problems (Mathematical Surveys and Monographs) Ching-Li Chai, Brian Conrad, Frans Oort #E1753K4WOR8

Read Complex Multiplication and Lifting Problems (Mathematical Surveys and Monographs) by Ching-Li Chai, Brian Conrad, Frans Oort for online ebook

Complex Multiplication and Lifting Problems (Mathematical Surveys and Monographs) by Ching-Li Chai, Brian Conrad, Frans Oort 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 Complex Multiplication and Lifting Problems (Mathematical Surveys and Monographs) by Ching-Li Chai, Brian Conrad, Frans Oort books to read online.

Online Complex Multiplication and Lifting Problems (Mathematical Surveys and Monographs) by Ching-Li Chai, Brian Conrad, Frans Oort ebook PDF download

Complex Multiplication and Lifting Problems (Mathematical Surveys and Monographs) by Ching-Li Chai, Brian Conrad, Frans Oort Doc

Complex Multiplication and Lifting Problems (Mathematical Surveys and Monographs) by Ching-Li Chai, Brian Conrad, Frans Oort Mobipocket

Complex Multiplication and Lifting Problems (Mathematical Surveys and Monographs) by Ching-Li Chai, Brian Conrad, Frans Oort EPub