Cyclic Coverings, Calabi-Yau Manifolds and Complex Multiplication

By Christian Rohde

Springer. Paperback. Book Condition: New. Paperback. 228 pages. Dimensions: 9.2in. x 6.0in. x 0.6in.The main goal of this book is the construction of families of Calabi-Yau 3-manifolds with dense sets of complex multiplication fibers. The new families are determined by combining and generalizing two methods. Firstly, the method of E. Viehweg and K. Zuo, who have constructed a deformation of the Fermat quintic with a dense set of CM fibers by a tower of cyclic coverings. Using this method, new families of K3 surfaces with dense sets of CM fibers and involutions are obtained. Secondly, the construction method of the Borcea-Voisin mirror family, which in the case of the authors examples yields families of Calabi-Yau 3-manifolds with dense sets of CM fibers, is also utilized. Moreover fibers with complex multiplication of these new families are also determined. This book was written for young mathematicians, physicists and also for experts who are interested in complex multiplication and varieties with complex multiplication. The reader is introduced to generic Mumford-Tate groups and Shimura data, which are among the main tools used here. The generic Mumford-Tate groups of families of cyclic covers of the projective line are computed for a broad range of examples....

READ ONLINE
[6.19 MB]

Reviews

This created publication is wonderful. This can be for those who statte that there had not been a worth looking at. Your lifestyle period will probably be transform when you comprehensive looking at this book.
-- Chelsey Nicolas

This pdf is wonderful. We have go through and so i am certain that i am going to going to study yet again once more in the future. Its been developed in an exceedingly straightforward way which is merely after i finished reading through this pdf where really transformed me, modify the way i think.
-- Ollie Balistreri

Other Kindle Books

McGraw-Hill Reading Phonics And Phonemic Awareness Practice Book, Grade 3 (2001 Copyright)

McGraw-Hill, 2001. Soft cover. Book Condition: Brand New. Dust Jacket Condition: No Dust Jacket. Brand New 2001 Copyright, Grade 3 Student Phonics And Phonemic Awareness Practice Book With Units 1-6, Unit Reviews, Take-Home Stories, Illustrations And Pictorial Green Cover Green With Sock,...

Posie Pixie and the Torn Tunic Book 3 in the Whimsy Wood Series

Paperback. Book Condition: New. Sarah Mauchline (illustrator). Paperback. COME and meet some more of the quirky woodland characters in the 3rd book of this delightful series!Find out what happens when Posie accidentally tears her purple tunic. Posie Pixie just gets better and...

On the Go with Baby A Stress Free Guide to Getting Across Town or Around the World by Ericka Lutz 2002 Paperback

Book Condition: Brand New. Book Condition: Brand New.

Dolphins and Porpoises Children Picture Book: Educational Information Differences about Dolphins Porpoises for Kids!

Createspace, United States, 2013. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.Rated 5 Stars - It s a fun, enlightening and instructive adventure into our oceans! Dolphins and Porpoises Children Picture...

Santa s Big Adventure: Christmas Stories, Christmas Jokes, Games, Activities, and a Christmas Coloring Book!

Createspace Independent Publishing Platform, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.Christmas Stories, Fun Activities, Games, Christmas Jokes, Coloring Book, and More!Every year we make our wishlists and...

People Mix and Match Sticker Activity Book

Dover Publications Inc., United States, 2006. Paperback. Book Condition: New. 147 x 104 mm. Language: English . Brand New Book. There are so many people in our big and busy world, and each of us has so many roles! This little book...