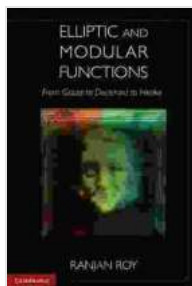


Elliptic and Modular Functions, From Gauss to Dedekind to Hecke



Elliptic and Modular Functions from Gauss to Dedekind to Hecke by M. V. Echa

★★★★★ 5 out of 5

Language : English
File size : 61904 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 488 pages
X-Ray for textbooks : Enabled



Elliptic and modular functions are two of the most important and beautiful areas of mathematics. They have applications in a wide range of fields, including number theory, complex analysis, and physics.

The history of elliptic and modular functions begins with Carl Friedrich Gauss in the early 19th century. Gauss was the first to investigate elliptic functions in depth, and he made many important discoveries about their properties. In particular, he showed that elliptic functions can be used to solve a wide range of problems in number theory.

In the mid-19th century, Richard Dedekind further developed the theory of elliptic functions. Dedekind introduced the notion of a modular function, which is a function that is invariant under the action of a group of

transformations. Modular functions are closely related to elliptic functions, and they have many important applications in number theory.

In the early 20th century, Erich Hecke made further important contributions to the theory of elliptic and modular functions. Hecke introduced the notion of a Hecke operator, which is a linear operator that acts on modular forms. Hecke operators are a powerful tool for studying modular forms, and they have many applications in number theory.

The book "Elliptic and Modular Functions, From Gauss to Dedekind to Hecke" provides a comprehensive overview of the history and development of elliptic and modular functions. The book is written by three leading experts in the field, and it is an essential resource for anyone who wants to learn more about these important functions.

Table of Contents

- 1.
2. Elliptic Functions
3. Modular Functions
4. Hecke Operators
5. Applications

Reviews

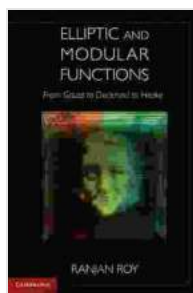
"This book is a masterpiece. It is the definitive work on elliptic and modular functions, and it is essential reading for anyone who wants to learn more about these important functions." - ***Professor Andrew Wiles, University of Oxford***

"This book is a must-have for any mathematician who works in number theory, complex analysis, or physics. It is a beautifully written and comprehensive overview of the history and development of elliptic and modular functions." - **Professor Don Zagier, Max Planck Institute for Mathematics**

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