

<<割圆域引论>>

图书基本信息

书名：<<割圆域引论>>

13位ISBN编号：9787506260022

10位ISBN编号：7506260026

出版时间：2003-6

出版时间：Springer Verlag

作者：Lawrence C. Washington

页数：487

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

<<割圆域引论>>

内容概要

Since the publication of the first edition, several remarkable developments have taken place. The work of Thaine, Kolyvagin, and Rubin has produced fairly elementary proofs of Ribet's converse of Herbrand's theorem and of the Main Conjecture. The original proofs of both of these results used delicate techniques from algebraic geometry and were inaccessible to many readers. Also, Sinnott discovered a beautiful proof of the vanishing of Iwasawa's u -invariant that is much simpler than the one given in Chapter 7. Finally, Fermat's Last Theorem was proved by Wiles, using work of Frey, Ribet, Serre, Mazur, Langlands-Tunnell, Taylor-Wiles, and others. Although the proof, which is based on modular forms and elliptic curves, is much different from the cyclotomic approaches described in this book, several of the ingredients were inspired by ideas from cyclotomic fields and Iwasawa theory.

<<割圆域引论>>

书籍目录

Preface to the Second Edition Preface to the First Edition CHAPTER 1 Fermat ' s Last Theorem CHAPTER 2 Basic Results CHAPTER 3 Dirichlet Characters CHAPTER 4 Dirichlet L-series and Class Number Formulas CHAPTER 5 p-adic L-functions and Bernoulli Numbers 5.1. p-adic functions 5.2. p-adic L-functions 5.3. Congruences 5.4. The value at $s=1$ 5.5. The p-adic regulator 5.6. Applications of the class number formula CHAPTER 6 Stickelberger ' s Theorem CHAPTER 7 Iwasawa's Construction of p-adic L-function CHAPTER 8 Cyclotomic Units CHAPTER 9 The Second Case of Fermat's Last Theorem CHAPTER 10 Galois Groups Acting on Ideal Class Groups CHAPTER 11 Cyclotomic Fields of Class Number One CHAPTER 12 Measures and Distribution CHAPTER 13 Iwasawa's Theory of \mathbb{Z}_p -extensions CHAPTER 14 The Kronecker-Weber Theorem CHAPTER 15 The Main Conjecture and Annihilation of Class Groups CHAPTER 16 Misscellany Appendix Tables Bibliography List of Symbols Index

<<割圆域引论>>

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:<http://www.tushu007.com>