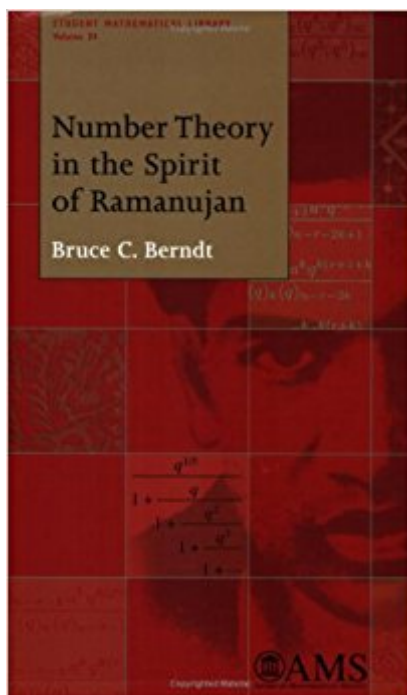


The book was found

Number Theory In The Spirit Of Ramanujan



Synopsis

Ramanujan is recognized as one of the great number theorists of the twentieth century. Here now is the first book to provide an introduction to his work in number theory. Most of Ramanujan's work in number theory arose out of q -series and theta functions. This book provides an introduction to these two important subjects and to some of the topics in number theory that are inextricably intertwined with them, including the theory of partitions, sums of squares and triangular numbers, and the Ramanujan tau function. The majority of the results discussed here are originally due to Ramanujan or were rediscovered by him. Ramanujan did not leave us proofs of the thousands of theorems he recorded in his notebooks, and so it cannot be claimed that many of the proofs given in this book are those found by Ramanujan. However, they are all in the spirit of his mathematics. The subjects examined in this book have a rich history dating back to Euler and Jacobi, and they continue to be focal points of contemporary mathematical research. Therefore, at the end of each of the seven chapters, Berndt discusses the results established in the chapter and places them in both historical and contemporary contexts. The book is suitable for advanced undergraduates and beginning graduate students interested in number theory.

Book Information

Paperback: 187 pages

Publisher: American Mathematical Society (September 15, 2006)

Language: English

ISBN-10: 0821841785

ISBN-13: 978-0821841785

Product Dimensions: 0.5 x 5.8 x 8.5 inches

Shipping Weight: 5.6 ounces (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars Â Â See all reviewsÂ (1 customer review)

Best Sellers Rank: #501,924 in Books (See Top 100 in Books) #170 inÂ Books > Science & Math > Mathematics > Pure Mathematics > Number Theory #4743 inÂ Books > Textbooks > Science & Mathematics > Mathematics

Customer Reviews

Requires a high level of number theory and advanced mathematics

[Download to continue reading...](#)

Number Theory in the Spirit of Ramanujan Number, Shape, & Symmetry: An Introduction to Number

Theory, Geometry, and Group Theory A Friendly Introduction to Number Theory (4th Edition)
(Featured Titles for Number Theory) My Search for Ramanujan: How I Learned to Count
Color-by-Number: Butterflies: 30+ fun & relaxing color-by-number projects to engage & entertain
Color-by-Number: Animals: 30+ fun & relaxing color-by-number projects to engage & entertain
Contemporary's Number Power 6: Real World Approach to Math : Word Problems (The number
power series) The Sixteenth Round: From Number 1 Contender to Number 45472 The Spirit of
Islamic Law (The Spirit of the Laws Ser.) Keys to the Spirit World: An Easy To Use Handbook for
Contacting Your Spirit Guides The Spirit of Zoroastrianism (The Spirit of ...) Using Trauma Theory to
Design Service Systems: New Directions for Mental Health Services, Number 89 Elementary
Number Theory: Primes, Congruences, and Secrets: A Computational Approach (Undergraduate
Texts in Mathematics) Number Theory: Structures, Examples, and Problems Summing It Up: From
One Plus One to Modern Number Theory Elementary Number Theory Number Theory: Algebraic
Numbers and Functions (Graduate Studies in Mathematics) Algebraic Number Theory (Grundlehren
der mathematischen Wissenschaften) (v. 322) Friendly Introduction to Number Theory, A, Scientific
American, September 1969, Acoustical Holography, 1969, Scientific American, Volume 221,
Number 4.

[Dmca](#)