Ramanujan's Lost Notebook: Part III

By George E. Andrews, Bruce C. Berndt

Ramanujan's Lost Notebook: Part III By George E. Andrews, Bruce C. Berndt

In the spring of 1976, George Andrews of Pennsylvania State University visited the library at Trinity College, Cambridge to examine the papers of the late G.N. Watson. Among these papers, Andrews discovered a sheaf of 138 pages in the handwriting of Srinivasa Ramanujan. This manuscript was soon designated, "Ramanujan's lost notebook." Its discovery has frequently been deemed the mathematical equivalent of finding Beethoven's tenth symphony.

This volume is the third of five volumes that the authors plan to write on Ramanujan's lost notebook and other manuscripts and fragments found in The Lost Notebook and Other Unpublished Papers, published by Narosa in 1988. The ordinary partition function p(n) is the focus of this third volume. In particular, ranks, cranks, and congruences for p(n) are in the spotlight. Other topics include the Ramanujan tau-function, the Rogers–Ramanujan functions, highly composite numbers, and sums of powers of theta functions.

Review from the second volume:

"Fans of Ramanujan's mathematics are sure to be delighted by this book. While some of the content is taken directly from published papers, most chapters contain new material and some previously published proofs have been improved. Many entries are just begging for further study and will undoubtedly be inspiring research for decades to come. The next installment in this series is eagerly awaited."
- MathSciNet

Review from the first volume:

"Andrews a

nd Berndt are to be congratulated on the job they are doing. This is the first step...on the way to an understanding of the work of the genius Ramanujan. It should act as an inspiration to future generations of mathematicians to tackle a

job that will never be complete."
- Gazette of the Australian Mathematical Society

Ramanujan's Lost Notebook: Part III

By George E. Andrews, Bruce C. Berndt

Ramanujan's Lost Notebook: Part III By George E. Andrews, Bruce C. Berndt

In the spring of 1976, George Andrews of Pennsylvania State University visited the library at Trinity College, Cambridge to examine the papers of the late G.N. Watson. Among these papers, Andrews discovered a sheaf of 138 pages in the handwriting of Srinivasa Ramanujan. This manuscript was soon designated, "Ramanujan's lost notebook." Its discovery has frequently been deemed the mathematical equivalent of finding Beethoven's tenth symphony.

This volume is the third of five volumes that the authors plan to write on Ramanujan's lost notebook and other manuscripts and fragments found in The Lost Notebook and Other Unpublished Papers, published by Narosa in 1988. The ordinary partition function $p(n)$ is the focus of this third volume. In particular, ranks, cranks, and congruences for $p(n)$ are in the spotlight. Other topics include the Ramanujan tau-function, the Rogers–Ramanujan functions, highly composite numbers, and sums of powers of theta functions.

Review from the second volume:

"Fans of Ramanujan's mathematics are sure to be delighted by this book. While some of the content is taken directly from published papers, most chapters contain new material and some previously published proofs have been improved. Many entries are just begging for further study and will undoubtedly be inspiring research for decades to come. The next installment in this series is eagerly awaited."
- MathSciNet

Review from the first volume:

"Andrews a

nd Berndt are to be congratulated on the job they are doing. This is the first step...on the way to an understanding of the work of the genius Ramanujan. It should act as an inspiration to future generations of mathematicians to tackle a job that will never be complete."
- Gazette of the Australian Mathematical Society

Ramanujan's Lost Notebook: Part III By George E. Andrews, Bruce C. Berndt Bibliography

- Sales Rank: #10007866 in Books
- Published on: 2014-07-17
- Released on: 2014-07-17
- Original language: English

- Number of items: 1
- Dimensions: 9.25" h x 1.01" w x 6.10" l, 1.37 pounds
- Binding: Paperback
- 436 pages

Download and Read Free Online Ramanujan's Lost Notebook: Part III By George E. Andrews, Bruce C. Berndt

Editorial Review

Review

"This is the third volume in a series devoted to Ramanujan's lost notebook and related manuscripts. … The number theory community has to thank the authors for their excellent and devoted work." (C. Baxa, Monatshefte Mathematik, 2015)

From the Back Cover

In the spring of 1976, George Andrews of Pennsylvania State University visited the library at Trinity College, Cambridge to examine the papers of the late G.N. Watson. Among these papers, Andrews discovered a sheaf of 138 pages in the handwriting of Srinivasa Ramanujan. This manuscript was soon designated, "Ramanujan's lost notebook." Its discovery has frequently been deemed the mathematical equivalent of finding Beethoven's tenth symphony.

This volume is the third of five volumes that the authors plan to write on Ramanujan's lost notebook and other manuscripts and fragments found in The Lost Notebook and Other Unpublished Papers, published by Narosa in 1988. The ordinary partition function p(n) is the focus of this third volume. In particular, ranks, cranks, and congruences for p(n) are in the spotlight. Other topics include the Ramanujan tau-function, the Rogers–Ramanujan functions, highly composite numbers, and sums of powers of theta functions.

Review from the second volume:

"Fans of Ramanujan's mathematics are sure to be delighted by this book. While some of the content is taken directly from published papers, most chapters contain new material and some previously published proofs have been improved. Many entries are just begging for further study and will undoubtedly be inspiring research for decades to come. The next installment in this series is eagerly awaited."
- MathSciNet

Review from the first volume:

"Andrews a

nd Berndt are to be congratulated on the job they are doing. This is the first step...on the way to an understanding of the work of the genius Ramanujan. It should act as an inspiration to future generations of mathematicians to tackle a job that will never be complete."
- Gazette of the Australian Mathematical Society

About the Author

George E. Andrews is currently a professor of mathematics at Pennsylvania State University. Bruce C. Berndt is currently a professor of mathematics at the University of Illinois.

Users Review

From reader reviews:

Martha Williams:

What do you with regards to book? It is not important along? Or just adding material when you want something to explain what your own problem? How about your extra time? Or are you busy man or woman? If you don't have spare time to accomplish others business, it is make one feel bored faster. And you have time? What did you do? Everyone has many questions above. They should answer that question mainly because just their can do in which. It said that about book. Book is familiar on every person. Yes, it is proper. Because start from on pre-school until university need this kind of Ramanujan's Lost Notebook: Part III to read.

William Leighty:

This Ramanujan's Lost Notebook: Part III is great publication for you because the content which can be full of information for you who have always deal with world and also have to make decision every minute. That book reveal it facts accurately using great organize word or we can claim no rambling sentences within it. So if you are read that hurriedly you can have whole details in it. Doesn't mean it only gives you straight forward sentences but difficult core information with splendid delivering sentences. Having Ramanujan's Lost Notebook: Part III in your hand like keeping the world in your arm, facts in it is not ridiculous one particular. We can say that no book that offer you world inside ten or fifteen small right but this reserve already do that. So , it is good reading book. Hey Mr. and Mrs. occupied do you still doubt in which?

Franklin Richter:

What is your hobby? Have you heard that will question when you got college students? We believe that that question was given by teacher on their students. Many kinds of hobby, All people has different hobby. And also you know that little person like reading or as examining become their hobby. You need to know that reading is very important in addition to book as to be the issue. Book is important thing to add you knowledge, except your personal teacher or lecturer. You find good news or update with regards to something by book. Many kinds of books that can you decide to try be your object. One of them is actually Ramanujan's Lost Notebook: Part III.

Michael Anderson:

Reading a book make you to get more knowledge from that. You can take knowledge and information originating from a book. Book is prepared or printed or outlined from each source this filled update of news. With this modern era like right now, many ways to get information are available for an individual. From media social just like newspaper, magazines, science e-book, encyclopedia, reference book, new and comic. You can add your understanding by that book. Do you want to spend your spare time to spread out your

book? Or just searching for the Ramanujan's Lost Notebook: Part III when you essential it?

Download and Read Online Ramanujan's Lost Notebook: Part III By George E. Andrews, Bruce C. Berndt #NMYXI2HS9ZJ

Read Ramanujan's Lost Notebook: Part III By George E. Andrews, Bruce C. Berndt for online ebook

Ramanujan's Lost Notebook: Part III By George E. Andrews, Bruce C. Berndt 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 Ramanujan's Lost Notebook: Part III By George E. Andrews, Bruce C. Berndt books to read online.

Online Ramanujan's Lost Notebook: Part III By George E. Andrews, Bruce C. Berndt ebook PDF download

Ramanujan's Lost Notebook: Part III By George E. Andrews, Bruce C. Berndt Doc

Ramanujan's Lost Notebook: Part III By George E. Andrews, Bruce C. Berndt Mobipocket

Ramanujan's Lost Notebook: Part III By George E. Andrews, Bruce C. Berndt EPub

NMYXI2HS9ZJ: Ramanujan's Lost Notebook: Part III By George E. Andrews, Bruce C. Berndt