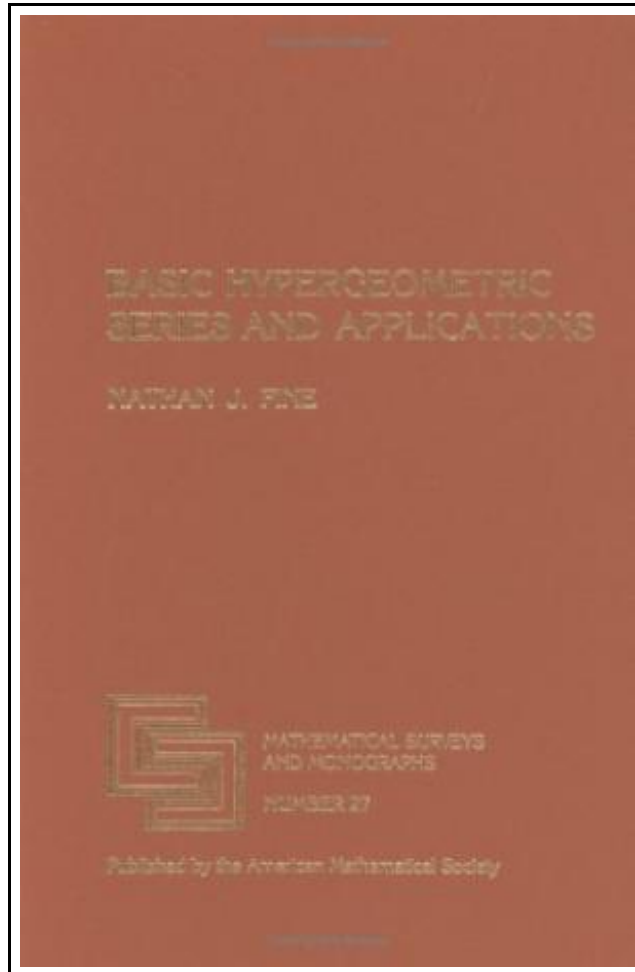


## Basic Hypergeometric Series and Applications



Filesize: 7.63 MB

### ***Reviews***

*A whole new e book with an all new point of view. It is one of the most incredible book i actually have go through. I am easily could possibly get a enjoyment of reading through a written book.*  
**(Nathanael Treutel)**

## BASIC HYPERGEOMETRIC SERIES AND APPLICATIONS

DOWNLOAD



To save **Basic Hypergeometric Series and Applications** PDF, make sure you refer to the link listed below and save the ebook or have access to other information which are have conjunction with BASIC HYPERGEOMETRIC SERIES AND APPLICATIONS book.

American Mathematical Society. Hardback. Book Condition: new. BRAND NEW, Basic Hypergeometric Series and Applications, Nathan J. Fine, The theory of partitions, founded by Euler, has led in a natural way to the idea of basic hypergeometric series, also known as Eulerian series. These series were first studied systematically by Heine, but many early results are attributed to Euler, Gauss, and Jacobi. Today, research in  $q$ -hypergeometric series is very active, and there are now major interactions with Lie algebras, combinatorics, special functions, and number theory. However, the theory has been developed to such an extent and with such a profusion of powerful and general results that the subject can appear quite formidable to the uninitiated. By providing a simple approach to basic hypergeometric series, this book provides an excellent elementary introduction to the subject. The starting point is a simple function of several variables satisfying a number of  $q$ -difference equations. The author presents an elementary method for using these equations to obtain transformations of the original function. A bilateral series, formed from this function, is summed as an infinite product, thereby providing an elegant and fruitful result which goes back to Ramanujan. By exploiting a special case, the author is able to evaluate the coefficients of several classes of infinite products in terms of divisor sums. He also touches on general transformation theory for basic series in many variables and the basic multinomial, which is a generalization of a finite sum. These developments lead naturally to the arithmetic domains of partition theory, theorems of Liouville type, and sums of squares. Contact is also made with the mock theta-functions of Ramanujan, which are linked to the rank of partitions. The author gives a number of examples of modular functions with multiplicative coefficients, along with the beginnings of an elementary constructive approach to the field...



[Read Basic Hypergeometric Series and Applications Online](#)



[Download PDF Basic Hypergeometric Series and Applications](#)



[Download ePub Basic Hypergeometric Series and Applications](#)

## Relevant eBooks



**[PDF] A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half (Paperback)**

Access the hyperlink under to get "A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half (Paperback)" file.

[Read ePub »](#)



**[PDF] Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 5: Seasick (Hardback)**

Access the hyperlink under to get "Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 5: Seasick (Hardback)" file.

[Read ePub »](#)



**[PDF] Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 3: Shops (Hardback)**

Access the hyperlink under to get "Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 3: Shops (Hardback)" file.

[Read ePub »](#)



**[PDF] NIV Soul Survivor New Testament in One Year**

Access the hyperlink under to get "NIV Soul Survivor New Testament in One Year" file.

[Read ePub »](#)



**[PDF] Hope for Autism: 10 Practical Solutions to Everyday Challenges (Paperback)**

Access the hyperlink under to get "Hope for Autism: 10 Practical Solutions to Everyday Challenges (Paperback)" file.

[Read ePub »](#)



**[PDF] I Learn, I Speak: Basic Skills for Preschool Learners of English and Chinese (Paperback)**

Access the hyperlink under to get "I Learn, I Speak: Basic Skills for Preschool Learners of English and Chinese (Paperback)" file.

[Read ePub »](#)

**[PDF] Yearbook Volume 15**

Follow the web link listed below to download and read "Yearbook Volume 15" file.

[Download Book »](#)

**[PDF] Learning with Curious George Preschool Math (Paperback)**

Follow the web link listed below to download and read "Learning with Curious George Preschool Math (Paperback)" file.

[Download Book »](#)

**[PDF] Genuine entrepreneurship education (secondary vocational schools teaching book) 9787040247916(Chinese Edition)**

Follow the web link listed below to download and read "Genuine entrepreneurship education (secondary vocational schools teaching book) 9787040247916(Chinese Edition)" file.

[Download Book »](#)

**[PDF] Mass Media Law: The Printing Press to the Internet (Paperback)**

Follow the web link listed below to download and read "Mass Media Law: The Printing Press to the Internet (Paperback)" file.

[Download Book »](#)

**[PDF] Public Opinion + Conducting Empirical Analysis**

Follow the web link listed below to download and read "Public Opinion + Conducting Empirical Analysis" file.

[Download Book »](#)

**[PDF] Learn the Nautical Rules of the Road: An Expert Guide to the COLREGs for All Yachtsmen and Mariners**

Follow the web link listed below to download and read "Learn the Nautical Rules of the Road: An Expert Guide to the COLREGs for All Yachtsmen and Mariners" file.

[Download Book »](#)