

Hypergeometric Summation An Algorithmic Approach To Summation And Special Function Identities Universitext

Algorithms for q -Hypergeometric Summation in Computer Algebra Springer Universitext Series: Hypergeometric Summation Koepf W. — Hypergeometric Summation. An algorithmic ... Hypergeometric summation : an algorithmic approach to ... Hypergeometric Summation eBook by Wolfram Koepf ... Hypergeometric Summation: An Algorithmic Approach to ... Hypergeometric distribution - Wikipedia Identities of nonterminating series by Zeilberger's algorithm Bing: Hypergeometric Summation An Algorithmic Approach Hypergeometric Summation: An Algorithmic Approach to ... The Gamma Function | SpringerLink Hypergeometric summation : an algorithmic approach to ... Hypergeometric Summation - springer Algorithms for q -Hypergeometric Summation in Computer ... Hypergeometric Summation: An Algorithmic Approach to ... Hypergeometric Summation. An Algorithmic Approach to ... Hypergeometric Summation | SpringerLink Hypergeometric Summation. An algorithmic approach to ... Hypergeometric Summation An Algorithmic Approach Hypergeometric Summation - An Algorithmic Approach to ...

Algorithms for q -Hypergeometric Summation in Computer Algebra

Summary: Modern algorithmic techniques for summation, most of which were introduced in the 1990s, are developed here and carefully implemented in the computer algebra system Maple [trade mark]. The algorithms of Fasenmyer, Gosper, Zeilberger, Petkovšek and van Hoeij for hypergeometric summation and recurrence equations, efficient multivariate summation as well as q -analogues of the above algorithms are covered.

Springer Universitext Series: Hypergeometric Summation

Hypergeometric Summation: An Algorithmic Approach to Summation and Special Function Identities Paperback – September 17, 2016 by Wolfram Koepf (Author) › Visit Amazon's Wolfram Koepf Page. Find all the books, read about the author, and more. ...

Koepf W. — Hypergeometric Summation. An algorithmic ...

This paper describes three algorithms for q -hypergeometric summation: • a multibasic analogue of Gosper's algorithm, • the q -Zeilberger algorithm, and • an algorithm for finding q -hypergeometric solutions of linear recurrences together with their Maple implementations, which is relevant both to people being interested in symbolic computation and in q -series.

Hypergeometric summation : an algorithmic approach to ...

The key for calculating the series is the method of hypergeometric summation. First we use Algorithm 2.8 in to write the series in (B.5) as a hypergeometric function. Expressing the binomial...

Hypergeometric Summation eBook by Wolfram Koepf ...

celebrated algorithm for definite hypergeometric summation originates from this approach. We want to give an introduction to the under-lying ideas—creative telescoping, Gröbner bases, Ore algebras—in an intuitive and therefore non-rigorous way. We also show various exam-ples where these concepts can be successfully applied. 1 Telescoping The basic principle of how summation (and integration) problems are at-

Hypergeometric Summation: An Algorithmic Approach to ...

The test based on the hypergeometric distribution (hypergeometric test) is identical to the corresponding one-tailed version of Fisher's exact test. Reciprocally, the p-value of a two-sided Fisher's exact test can be calculated as the sum of two appropriate hypergeometric tests (for more information see [7]).

Hypergeometric distribution - Wikipedia

Wolfram Koepf. In this book, modern algorithmic techniques for summation--most of which have been introduced within the last decade--are developed and carefully implemented via computer algebra system software (which can be downloaded from the Web; URL is given in the text). The algorithms of Gosper, Zeilberger, and Petkovsek on hypergeometric summation and recurrence equations and their q -analogues are covered, and similar algorithms on differential equations are considered.

Identities of nonterminating series by Zeilberger's algorithm

Wolfram Koepf: Hypergeometric Summation. An Algorithmic Approach to Summation and Special Function Identities, Springer Universitext Series, 2014. XII, 253 pp., ISBN 978-1-4471-6463-0. Modern algorithmic techniques for summation, most of which were introduced in the 1990s, are developed here and carefully implemented in the computer algebra system Maple™.

Bing: Hypergeometric Summation An Algorithmic Approach

Hypergeometric summation : an algorithmic approach to summation and special function identities. [Wolfram Koepf] -- In this book modern algorithmic techniques for summation, most of which have been introduced within the last decade, are developed and carefully implemented in the computer algebra system Maple.

Hypergeometric Summation: An Algorithmic Approach to ...

Название: Hypergeometric Summation. An algorithmic approach to summation and special function identities.

The Gamma Function | SpringerLink

Hypergeometric Summation: An Algorithmic Approach to Summation and Special Function Identities. Modern algorithmic techniques for summation, most of which were introduced in the 1990s, are developed here and carefully implemented in the computer algebra system Maple™. The algorithms of Fasenmyer, Gosper, Zeilberger, Petkovšek and van Hoeij for hypergeometric summation and recurrence equations, efficient multivariate summation as well as q -analogues of the above algorithms are covered.

Hypergeometric summation : an algorithmic approach to ...

Modern algorithmic techniques for summation, most of which were introduced in the 1990s, are developed here and carefully implemented in the computer algebra system Maple™. The algorithms of Fasenmyer, Gosper, Zeilberger, Petkovšek and van Hoeij for hypergeometric summation and recurrence equations, efficient multivariate summation as well as q -analogues of the above algorithms are covered.

Hypergeometric Summation - springer

Modern algorithmic techniques for summation, most of which were introduced in the 1990s, are developed here and carefully implemented in the computer algebra system Maple™. The algorithms of Fasenmyer, Gosper, Zeilberger, Petkovšek and van Hoeij for hypergeometric summation and recurrence equations, efficient multivariate summation as well as q -analogues of the above algorithms are covered.

Algorithms for q -Hypergeometric Summation in Computer ...

W. Koepf, Hypergeometric Summation – An Algorithmic Approach to Summation and Special Function Identities. Springer Universitext, 2nd edn. (Springer, London, 2014) Google Scholar. 4.

Hypergeometric Summation: An Algorithmic Approach to ...

Modern algorithmic techniques for summation, most of which were introduced in the 1990s, are developed here and carefully implemented in the computer algebra system Maple™. The algorithms of Fasenmyer, Gosper, Zeilberger, Petkovšek and van Hoeij for hypergeometric summation and recurrence equations, efficient multivariate summation as well as q -analogues of the above algorithms are covered.

Hypergeometric Summation. An Algorithmic Approach to ...

This paper describes three algorithms for q -hypergeometric summation: a multibasic analogue of Gosper's algorithm, the q -Zeilberger algorithm, and an algorithm for finding q -hypergeometric solutions of linear recurrences together with their Maple implementations, which is relevant both to people being interested in symbolic computation and in q -series.

Hypergeometric Summation | SpringerLink

springer, Modern algorithmic techniques for summation, most of which were introduced in the 1990s, are developed here and carefully implemented in the computer algebra system Maple™. The algorithms of Fasenmyer, Gosper, Zeilberger, Petkovšek and van Hoeij for hypergeometric summation and recurrence equations, efficient multivariate summation as well as q -analogues of the above algorithms are covered.

Hypergeometric Summation. An algorithmic approach to ...

In this book modern algorithmic techniques for summation, most of which have been introduced within the last decade, are developed and carefully implemented in the computer algebra system Maple. The algorithms of Gosper, Zeilberger and Petkovšek on hypergeometric summation and recurrence equations and their q -analogues are covered, and similar algorithms on differential equations are considered.

Hypergeometric Summation An Algorithmic Approach

Read PDF Hypergeometric Summation An Algorithmic Approach To Summation And Special Function Identities Universitext

that Zeilberger's algorithmic is suitable for non-terminating cases is given by Gessel [3, p.547]. He demonstrates Gauss' summation formula for the Gaussian hypergeometric series of argument 1 by means of a combination of Zeilberger's algorithm and the asymptotic estimate $\Gamma(a+k) \Gamma(b+k) \sim k^{a-b}$ as $k \rightarrow \infty$ (1.1)

Read PDF Hypergeometric Summation An Algorithmic Approach To Summation And Special Function Identities Universitext

mood lonely? What very nearly reading **hypergeometric summation an algorithmic approach to summation and special function identities universitext**? book is one of the greatest friends to accompany even though in your and no-one else time. gone you have no friends and goings-on somewhere and sometimes, reading book can be a good choice. This is not on your own for spending the time, it will bump the knowledge. Of course the give support to to endure will relate to what nice of book that you are reading. And now, we will event you to attempt reading PDF as one of the reading material to finish quickly. In reading this book, one to recall is that never worry and never be bored to read. Even a book will not find the money for you genuine concept, it will make good fantasy. Yeah, you can imagine getting the good future. But, it's not and no-one else nice of imagination. This is the get older for you to make proper ideas to make improved future. The showing off is by getting **hypergeometric summation an algorithmic approach to summation and special function identities universitext** as one of the reading material. You can be as a result relieved to way in it because it will meet the expense of more chances and benefits for sophisticated life. This is not only virtually the perfections that we will offer. This is along with about what things that you can issue as soon as to create improved concept. in the same way as you have vary concepts next this book, this is your epoch to fulfil the impressions by reading every content of the book. PDF is next one of the windows to attain and read the world. Reading this book can incite you to locate new world that you may not locate it previously. Be rotate next other people who don't admittance this book. By taking the fine help of reading PDF, you can be wise to spend the become old for reading extra books. And here, after getting the soft fie of PDF and serving the connect to provide, you can with locate extra book collections. We are the best area to goal for your referred book. And now, your time to acquire this **hypergeometric summation an algorithmic approach to summation and special function identities universitext** as one of the compromises has been ready.

[ROMANCE](#) [ACTION & ADVENTURE](#) [MYSTERY & THRILLER](#) [BIOGRAPHIES & HISTORY](#) [CHILDREN'S](#) [YOUNG ADULT](#) [FANTASY](#)
[HISTORICAL FICTION](#) [HORROR](#) [LITERARY FICTION](#) [NON-FICTION](#) [SCIENCE FICTION](#)