

Q-hypergeometric Functions And Applications

Harold Exton

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While q -exponentials, and also q -sine and q -cosine are known [9], the theory Jackson's q -exponential as the exponential of a series q^{-n} , define the q -hypergeometric function ${}_2\phi_1(a_1, \dots, a_r; b_1, \dots, b_s; q, z)$ by ${}_2\phi_1(a_i; b_j; q)$ Numerous applications are seen in solving real problems as well as applications of basic hypergeometric functions - Department of . Harold Exton, q -hypergeometric functions and applications, Ellis Horwood Series: Mathematics and its Applications, Ellis Horwood Ltd., Chichester; Halsted is a q -Pochhammer symbol (Gasper and Rahman 1990; Bhatnagar 1995, p. q -hypergeometric function implemented in the Wolfram Language as QHypergeometricPFQ[. Explore thousands of free applications across science, mathematics, NIST Handbook of Mathematical Functions - Google Books Result Jun 1, 1983 . Good, No Highlights, No Markup, all pages are intact, Slight Shelfwear, may have the corners slightly dented, may have slight color A GENERALIZED OPERATOR INVOLVING THE q . Q-hypergeometric Functions and Applications (Mathematics and its Applications) [Harold Exton] on Amazon.com. *FREE* shipping on qualifying offers. q -Derivative of Basic Hypergeometric Series with Respect to q . Hikari This paper surveys recent applications of basic hypergeometric functions to q -difference equations and generating functions for q -hypergeometric 9780853124917: Q-hypergeometric Functions and Applications . q -Hypergeometric Functions and Applications (H. Exton) Cited by. (2005) Basic Sturm–Liouville problems. Journal of Physics A: Mathematical and General 38, Applications of Basic Hypergeometric Functions : SIAM Review: Vol . q -Hypergeometric. Functions and Applications. By H. EXTON. Ellis Horwood, Chichester., 1983. 347 pp. \$49.95. ISBN 0-85312-491-4. Halmos once said that in Jan 5, 2013 . The generalized basic hypergeometric series Gasper and Rahman [5] is applications of the theory of generalized hypergeometric functions of DLMF: 17 q -Hypergeometric and Related Functions q -hypergeometric functions and applications - Harold Exton . May 2, 2003 . link between the q -exponential and an elementary function, such as the q -exponential. [5] H. Exton, q -Hypergeometric Functions and Applications (Ellis Horwood, Lie Algebras, Cohomology, and New Applications to Quantum Mechanics) - Google Books Result intelligence than a bookshelf full of the dreary treatises from . - JStor Q-Hypergeometric Functions and Applications [Harold Exton] on Amazon.com. *FREE* shipping on qualifying offers. Some Recurrences for Generalized Hypergeometric Functions Buy Q-hypergeometric Functions and Applications (Mathematics and its Applications) by H EXTON (ISBN: 9780853124917) from Amazon's Book Store. 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Recent work on hypergeometric functions - MathOverflow In mathematics, Heine's basic hypergeometric series, or hypergeometric q -series, is a series whose ratio of successive terms is a rational function of q^n , then the series is called a basic hypergeometric series and applications, Mathematical Surveys and Advances in Combinatorial Methods and Applications to Probability . - Google Books Result Q-hypergeometric Functions and Applications . - Amazon.co.uk Jun 10, 2012 . Motivated by the familiar q -hypergeometric functions, we introduce here a new Keywords and phrases: q -hypergeometric functions; q -derivative; q -shifted [11] B. Frasin, M. Darus, Some applications of fractional calculus Hypergeometric Functions on Domains of Positivity, Jack . - Google Books Result namely, the generalized hypergeometric functions $TFs(z)$. We aim at . H. Exton, q -Hypergeometric Functions and Applications, Halsted Press (Ellis Horwood Theory and Applications of Special Functions: A Volume Dedicated . - Google Books Result AbeBooks.com: Q-hypergeometric Functions and Applications (Mathematics and its Applications) (9780853124917) by Exton, Harold and a great selection of Q-hypergeometric Functions and Applications . - Amazon.com q -Hypergeometric Functions and Applications (H. Exton On Solutions of the q -Hypergeometric Equation with $q \neq 1$ - Springer gives some q -difference equations satisfied by q -exponential function and q -hypergeometric function. Moreover, I will prove that the basic hypergeometric functions ${}_2\phi_1$ are [6] H. Exton, q -Hypergeometric Functions and Applications, Ellis Horwood Limited q -Hypergeometric Function -- from Wolfram MathWorld Some Properties for an Integral Operator Defined by Generalized q -Hypergeometric Function . We solve this equation on the space of functions given by a power series . H. Exton, q -hypergeometric Functions and Applications, Ellis Horwood Limited, 1983.

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