Contiguous function relations for triple and other hypergeometric functions

R.G. Buschman] - Contiguous relations of hypergeometric series

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Hypergeometric functions. Contiguous function relations for triple and other hypergeometric functions

-Contiguous function relations for triple and other hypergeometric

Notes: Includes bibliographical references (p. 276).

This edition was published in 1999

Tags: #confluent #hypergeometric #function #: #definition #of #confluent #hypergeometric #function #and #synonyms #of #confluent #hypergeometric #function #(English)





 $\det A_i^-(\mathfrak{a}) = \frac{(a_i - a_0 - 1)(a_i - a_1 - 1)(a_i - a_2 - 1)}{s(\mathfrak{a}) - 2} \qquad i = 1, 4,$

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and quadratic R

A more recent tabulation is the NIST handbook of Mathematical Functions by Olver, Lozier, Boisvert and Clark. Here we are dealing more with the cases i and Hi.

DLMF: 16.3 Derivatives and Contiguous Functions

Application to continued fractions By applying a limiting argument to it can be shown that and that this continued fraction converges uniformly to a meromorphic function of z in every bounded domain that does not include a pole.

DLMF: 16.3 Derivatives and Contiguous Functions

Algebra and Analysis 6:161-184, 1994. It is now straightforward to verify that the relations for the generators of A are satisfied when we put these generators equal to the following elements of W o 4. We illustrate this by proving the result 1 for the Legendre polynomial.

Contiguous relations of hypergeometric series

We regret to inform you that the publisher of this article, Not Applicable, has removed this article from DeepDyve. Obviously the final result cannot diverge, so the problem is that the summation has to be carried out before the integration. So, there is a homomorphism of such algebra into the universal enveloping algebra W e 3.

Hypergeometric function

There are also other generalizations of hypergeometric functions, such as generalizations to include the case of several variables.

DLMF: 15.5 Derivatives and Contiguous Functions

Lie theory and difference equations, I.

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There exists a linear relationship between that function and any two functions which are contiguous to it.

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