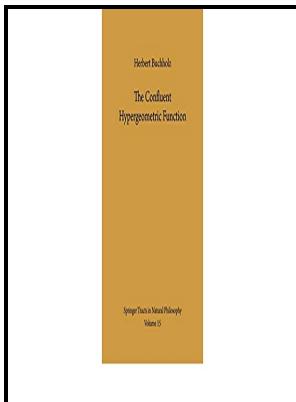


# Confluent hypergeometric function - with special emphasis on its applications

**Springer - A good reference to grok hypergeometric functions?**



Description: -

- Functions, Hypergeometric.confluent hypergeometric function - with special emphasis on its applications

- Springer tracts in natural philosophy -- v.15confluent hypergeometric function - with special emphasis on its applications

Notes: Translation of Die konfluente hypergeometrische Funktion.  
This edition was published in 1969



Filesize: 14.84 MB

Tags: #The #Confluent #Hypergeometric #Function #: #Herbert #Buchholz #: #9783642883989

## special functions

Many familiar functions trigonometric functions, exponential, logarithm, Hermite polynomials, Laguerre polynomials, etc are hypergeometric. This completes the proof of Theorem

## Confluent Hypergeometric Function

Felix Klein's 'Lectures on the Icosahedron' offers a very nice derivation of the roots from a geometric viewpoint, using the symmetry group of the icosahedron and a Galois resolvent of degree 60. Unfortunately however standard mathematical tables do not list a formula for a sum over products of Hermite polynomials as it appears in equation 7. Which at least makes it kind of credible that they are also useful for understanding functions on other compact homogeneous spaces.

## Confluent Hypergeometric Function of the First Kind

In other words, structurally speaking, the hypergeometric equation is 'first order' because its coefficient sequence is, not because its differential equation is, but it is the most general such. Suppose that the inequality 3. The proof of is omitted to readers because it is similar to the proof of

## The Confluent Hypergeometric Function : Herbert Buchholz : 9783642883989

Department of Commerce, National Institute of Standards and Technology, Washington, D. This book is intended to further this development. Walk through homework problems step-by-step from beginning to end.

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