

## Confluent Hypergeometric Functions Slater L J Cambridge

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Hypergeometric function 1aMPC Primer: scRNA-seq analysis: challenges, opportunities, and best practices, Part 1 (2020) Bio-Informatics - tutorial: How to perform multiple sequence alignment and phylogenetic analysis Hypergeometric function: Legendre polynomial in terms of hypergeometric function. Lecture 11 HYPERGEOMETRIC FUNCTION F(a,b,c;x) Au0026 ITS EVALUATION-(Series Solution of HyperGeometric Equation) Hypergeometric function: integral representation for confluent hypergeometric function. Lecture 13 Lecture 20 (Hypergeometric Differential Equation) Special Functions || Differentiation of Hypergeometric Function Special Functions || Hypergeometric Function || Solution of Hypergeometric Differential Equation Integral Representation of Confluent Hypergeometric Function Part 10 Some important questions based on hypergeometric function || Kummer's theorem Part2 Integral representation for the hypergeometric function [Hypergeometric functions] run by part-1 Hypergeometric function [pochhammer symbol hypergeometric series [Kummer series] for BSc MSc Confluent Hypergeometric Functions Slater L  
Confluent hypergeometric functions by Slater, Lucy Joan. Publication date 1960 Topics Functions, Hypergeometric Publisher Cambridge [Eng.] University Press ... 60004198 /L/r84 Ocr ABBYY FineReader 11.0 (Extended OCR) Old\_pallet IAI2984 Openlibrary\_edition OL5793009M Openlibrary\_work OL6778231W Pages 268 Ppi 300

Confluent hypergeometric functions : Slater, Lucy Joan ...  
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Confluent Hypergeometric Functions: L. J. Slater ...  
Confluent Hypergeometric Functions. A. B. Olde Daalhuis School of Mathematics, Edinburgh University, Edinburgh, United Kingdom. This chapter is based in part on Abramowitz and Stegun ( 1964, Chapter 13) by L.J. Slater. The author is indebted to J. Wimp for several references.

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Slater, L. (1960) Confluent Hypergeometric Functions. Cambridge University Press, London. has been cited by the following article: TITLE: Hypergeometric Functions: From One Scalar Variable to Several Matrix Arguments, in Statistics and Beyond. AUTHORS: T. Pham-Gia, Dinh Ngoc Thanh

Slater, L. (1960) Confluent Hypergeometric Functions ...  
L. J. Slater, Confluent Hypergeometric Functions (Cambridge University Press, 1960), 247 pp., 65s. BOOK REVIEWS 169. SLATER, L. J., Confluent Hypergeometric Functions (Cambridge University Press, 1960), 247 pp., 65s. Many problems in mathematical physics can be solved in terms of confluent hypergeometric functions, and for that reason it is useful to have collected together the basic formulae relating to these functions and an extensive set of numerical tables of Kummer's function iF(t; b; x

L. J. Slater, Confluent Hypergeometric Functions ...  
June 1961, p. 169 L. J. Slater, Confluent Hypergeometric Functions (Cambridge University Press, 1960), 247 pp., 65s.

L. J. Slater, Confluent Hypergeometric Functions ...  
Confluent hypergeometric functions / Lucy John Slater. Author: Slater, Lucy Joan, 1922-2008 Publisher: Cambridge : Cambridge university press, 1960. Description: XII, 247 p. : illus. ; 29 cm. Bibliography: Includes bibliography. Dewey: 517.88 Subject: Hypergeometric functions. (source)lch

Confluent hypergeometric functions - Ghent University Library  
In mathematics, a confluent hypergeometric function is a solution of a confluent hypergeometric equation, which is a degenerate form of a hypergeometric differential equation where two of the three regular singularities merge into an irregular singularity.The term confluent refers to the merging of singular points of families of differential equations; confluere is Latin for "to flow together".

Confluent hypergeometric function - Wikipedia  
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Confluent Hypergeometric Functions Slater L J Cambridge  
In mathematics, the Gaussian or ordinary hypergeometric function 




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(a,b;c;z) is a special function represented by the hypergeometric series, that includes many other special functions as specific or limiting cases.It is a solution of a second-order linear ordinary differential equation (ODE). Every second-order linear ODE with three regular singular points can be transformed into this ...

Hypergeometric function - Wikipedia  
1 + [1 + 4 (x2 + v2)] 1/2 - 2x < p(x) < 0. From the recurrence relation for Kv(x) Kv+(x)= - Kv(x)-K-(x) we obtain Kv +1 (x)/Kv(x) = -!\_ -p(x). Using the x above inequality for p, we conclude that the lemma is proved. 0 Theorem 1 For x > 0, a > 0, b E IR, j = 1, 2, 3, ... we have ti->|(a, b, x) tj->|-(a, b, x) 2(j-h)+1+4(j-b)2 +16xa]112

On the expansion of confluent hypergeometric functions in  
The confluent hypergeometric function is a degenerate form the Hypergeometric Function which arisses a solution the Confluent Hypergeometric Differential Equation. It is commonly denoted 




U
,
 or 




,
 and is also known as Kummer's Functionof the first kind. An alternate form of thisolution to the Confluent Hypergeometric Differential Equation is known as the Whittaker Function.

Confluent Hypergeometric Function of the First Kind  
The generalized Gauss function is also used in mathematical statistics and the basic analogues of the Gauss functions have applications in the field of number theory. Dr Slater's treatment leads on from a discussion of the Gauss functions to the basic hypergeometric functions, the hypergeometric integrals, bilateral series and Appel series.

Amazon.com: Generalized Hypergeometric Functions ...  
Then, the hypergeometric matrix function 




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z) is given by. Definition 4. If E is the positive stable matrix in 




,
 then the Laguerre-type matrix polynomial is defined by where 




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 is the confluent hypergeometric matrix function (cf. 




.
) Definition 5. (see[28, 32, 33]).

A Note on the Appell Hypergeometric Matrix Function F2  
Abstract In Slater ' s 1960 standard work on confluent hypergeometric functions, also called Kummer functions, a number of asymptotic expansions of these functions can be found. We summarize expansions derived from a differential equation for large values of the a-parameter.

Remarks on Slater ' s Asymptotic Expansions of Kummer ...  
The confluent hypergeometric function (Kummer U function) is one of the solutions of the differential equation The other solution is the hypergeometric function 




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(a,b,z). The Whittaker W function can be expressed in terms of the Kummer U function:

Confluent hypergeometric Kummer U function - MATLAB ...  
is the Kummer confluent hypergeometric function . Details. Mathematical function, suitable for both symbolic and numerical manipulation. The function has the series expansion . For certain special arguments, Hypergeometric1F1 automatically evaluates to exact values.

Hypergeometric1F1—Wolfram Language Documentation  
Tables of the confluent hypergeometric function F(n/2, 1/2; x) and related functions. Volume v.3(1949) ( 1949)[Leather Bound] by United States. National Bureau of Standards. Computation Laboratory. and a great selection of related books, art and collectibles available now at AbeBooks.com.

Handbook of Mathematical Functions Exchange Rate Targets and Currency Bands NASA Conference Publication On the Quadratic Classification Problem for Zero-mean Stationary Normal Time Series Special Functions of Mathematics for Engineers Non-equilibrium Energy Transformation Processes Investment under Uncertainty Mechanical Characterization of Materials and Wave Dispersion Theory of Valuation Applied Multivariate Analysis Nonlinear Waves in Active Media Asymptotics and Special Functions Asymptotics and Special Functions Applied Mechanics Reviews Univariate Discrete Distributions Mittag-Leffler Functions, Related Topics and Applications Mathematical Functions and Their Approximations Conference Moshé Plato 1999 Special Functions Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables  
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