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Special function defined by a hypergeometric series The term "hypergeometric function" sometimes refers to the generalized hypergeometric function. For other hypergeometric functions see See also. In mathematics, the Gaussian or ordinary hypergeometric function ${}_2F_1(a,b;c;z)$ 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 s

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