
Subject: Gauss Hypergeometric function

Posted by [Fred\[1\]](#) on Wed, 16 Jun 2010 06:42:28 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hello,

I need to use the gauss hypergeometric function ${}_2F_1$ (for mathematica it is on <http://functions.wolfram.com/HypergeometricFunctions/Hypergeometric2F1/>); it is the solution of the indefinite integral $(1 + (xL)^2)^{-q/2}$, with L and q positive constants; it seems not to be implemented in IDL. I have found some routines for the confluent hypergeometric function of the first kind. Has anybody a routine to reproduce this function without using the series expansion? Thanks for your attention
