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Subject: Re: Hypergeometric functions

Posted by [colinr](#) on Tue, 30 Oct 2001 09:53:17 GMT

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On Mon, 29 Oct 2001 20:34:17 -1000,

Ralf Flicker <[rflicker@gemini.edu](mailto:rflicker@gemini.edu)> wrote:

> Yes, that's what I ended up doing, and it works fine. I realize  
> the function is somewhat special (the only substantial reference  
> to 2F3 that I could find on the web was to a Mathematica  
> implementation), but I was partly fishing for information in  
> general about these kinds of special functions. As you say, IDL  
> is a mite weak on this point.

There's a book by Slater which contains formulae for asymptotic expansions etc. of hypergeometric functions. The book is called, fascinatingly enough, "Hypergeometric Functions" and is a rip-roaring read. If you find yourself enthralled by the lyricism of her chapter on integral representations, may I recommend her thrilling sequel "Confluent Hypergeometric Functions"?

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