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Subject: NIST DLMF

Posted by [Kenneth Bowman](#) on Thu, 18 Jan 2007 21:04:36 GMT

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I stumbled upon the planned NIST Digital Library of Mathematical Functions

<http://dlmf.nist.gov/>

which is slated to replace the venerable and venerated 'Abramowitz and Stegun' Handbook of Mathematical Functions.

They have a sample section available online for the gamma function

<http://dlmf.nist.gov/Contents/GA/>

I note that there is a 'Software' subsection

<http://dlmf.nist.gov/Contents/GA/24/>

that lists software -- presumably systems that are known to have facilities for calculating gamma and related functions.

IDL is notably absent from the list, which includes IMSL (now available in IDL for a fee), Maple, Mathematica, Matlab, NAG, and Numerical Recipes, to name only the systems that I have heard of.

I would hate to see the full version of the Library go live (scheduled for this year) and have viewers think that IDL did \*not\* have a gamma function routine (among others).

I'll submit a note to ITTVIS, but I'm curious about others' reactions.

Ken Bowman

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