Subject: Re: Using Errorf in IDL
Posted by meron on Tue, 20 May 1997 07:00:00 GMT
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In article <5lsqed$efs@agate.berkeley.edu>, karl@gojira.berkeley.edu (Karl Young) writes:
>
> I recently tried to feed a complex argument to Errorf, but it would have
> none of it. With Mathematica you get a complex numerical result
> if you feed Erf a complex numerical argument. I assume Mathematica is
> calculating the principal value of the integral or something like
> that. So my basic question is, how can I do the same thing most
> efficiently in IDL? (If I have to I can numerically integrate
> Fresnel integral euivalents or something else equally disgusting
> but I'm praying for something simple) Perhaps just as useful
> would be if somebody could give me a form for A(a,b),B(a,b) in:
>
I did write a routine for complex Errorf (and Fresnel integrals as
well). It is included in a copy of my library which I transferred to
RSI few month ago. Should be faster to download from them then from
me, but if it is a problem, let me know.

Mati Meron | "When you argue with a fool,
meron@cars.uchicago.edu | chances are he is doing just the same"