
Subject: Re: IDL is not accurate enough!

Posted by [Foldy Lajos](#) on Thu, 28 Aug 2008 16:42:11 GMT

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On Thu, 28 Aug 2008, noahh.schwartz@gmail.com wrote:

> Hi,
>
> I've been having problems with IDL accuracy. I'm trying to perform
> calculations using the gamma function. The problem is that it grows
> VERY fast! Performing this calculation in double (namely gamma(x)/
> gamma(y) with x and y big) yields the result: NaN...
> Would it be possible to use a program like 'Mathematica' (or any
> other) and to plug it in my ILD program? Some kind of CALL_EXTERNAL
> that is to say. If it is possible, how can I do it and what is the
> best program to use?
>
> Thanks,
> Noah
>

$\text{gamma}(x)/\text{gamma}(y) \Rightarrow \exp(\ln\text{gamma}(x) - \ln\text{gamma}(y))$

regards,
lajos
