

Re: Correction factor in computing exp()?

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- *From:* "lcw1964" <leslie.wright@xxxxxxxxxxxxxx>
 - *Date:* 16 Jul 2006 00:37:54 -0700
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lcw1964 wrote:

Many thanks in advance. This is driving me nuts with head scratching....

I have even just written a little code in Maple that carries out the computation to whatever precision I like, then compares it to a direct calculation of $\exp(-y*y)$. Gives the exact same answer for a wide range of arguments—something I could've readily concluded if I had just worked thru the basic algebra, I gather, but I am a bit slothful.

But still, I don't know why the programmer would go to this trouble. Evidently, it is intended to improve the accuracy or precision of the $\exp()$ calculation.

Still eager for wisdom. Fill me, please!

Les

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