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Subject: Re: exp() infinity

Posted by [Jean H.](#) on Fri, 08 Aug 2008 16:06:10 GMT

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maffie wrote:

> Hi all,

>

> I have a small question concerning the exponential function exp():

> For values above around 89, IDL returns exp(89) = Infinity.

>

> Is there any way to get the mathematical solution??

> e.g. exp(89) = 4.4896128e38

>

> Thank you!

> Matthias

the help file says:

"The expression to be evaluated. If Expression is double-precision floating or complex, the result is of the same type. All other types are converted to single-precision floating-point and yield floating-point results."

so try

IDL> print,exp(89.0D)

4.4896128e+038

Jean

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