Subject: Re: Calculating the Exponential using IDL Posted by penteado on Tue, 23 Mar 2010 22:38:33 GMT

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On Mar 23, 7:11 pm, IDL beginner <moxam...@gmail.com> wrote:

- > In IDL EXP(-700) = 0, while in MATLAB the answer is EXP(-700) =
- > 9.8597e-305. I need IDL to give me the same answer as MATLAB but I do
- > not know what to do.

Stop giving exp() an integer:

IDL> print, exp(-7d2) 9.8596765e-305

Though you are close to the double precision limit for underflow. I found it to be between -745d0 and -746d0.