
Subject: Re: Calculating the Exponential using IDL
Posted by [penteado](#) on Tue, 23 Mar 2010 22:38:33 GMT
[View Forum Message](#) <> [Reply to Message](#)

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.
