
Subject: Re: exp() infinity

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

[View Forum Message](#) <> [Reply to Message](#)

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
