
Subject: exp function bug

Posted by [Robert Cannon](#) on Thu, 05 Dec 1996 08:00:00 GMT

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Can anyone tell me what is going on here, or if it happens on other platforms?

The first time I call exp (-710.72026d0) after starting idl I get:

```
hera:~> idl
```

```
IDL. Version 4.0.1 (IRIX mipseb).
```

```
IDL> print, exp (-710.72026d0)
```

```
2.8462073e+134
```

```
IDL> print, exp (-710.72026d0)
```

```
2.1782760e-309
```

This is on an sgi crimson. I get the impression the same may happen on an alpha, but for a different value - it has to be -710.72026d0 on the sgi: -710.72025d0 works fine.....

robert

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Subject: Re: exp function bug

Posted by [David R. Klassen](#) on Tue, 10 Dec 1996 08:00:00 GMT

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David Fanning wrote:

>

> Andy Loughe <afl@cdc.noaa.gov> wrote:

>

>> Robert Cannon wrote:

>>>

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>>
>>
>> For interest's sake...
>> This does not happen on a SUN SparcStation running Solaris 2.5
>
> Doesn't happen on a Mac either.
>
> David
>
> -----
> David Fanning, Ph.D.
> Fanning Software Consulting
> 2642 Bradbury Court, Fort Collins, CO 80521
> Phone: 970-221-0438 Fax: 970-221-4762
> E-Mail: davidf@dfanning.com
> Coyote's Guide to IDL Programming: http://www.dfanning.com
> -----
```

Nor on Win32.

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