
Subject: Re: exp function bug
Posted by [David R. Klassen](#) on Tue, 10 Dec 1996 08:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

David Fanning wrote:

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

--

David R. Klassen
Department of Physics and Astronomy

University of Wyoming
Box 3905 University Station
Laramie WY 82071
<http://faraday.uwyo.edu/grads/dklassen/>
drk@uwyo.edu
