
Subject: Re: differences idl5.5 and idl5.6
Posted by [R.Bauer](#) on Wed, 19 Feb 2003 16:33:50 GMT
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Dick Jackson wrote:

```
> "Reimar Bauer" <R.Bauer@fz-juelich.de> wrote in message
> news:3E539FE4.4000801@fz-juelich.de...
>
>> Hi,
>>
>> today I found a difference in handling infite numbers by the new
>
> version.
>
>>
>> IDL 5.6
>>
>> IDL> a=1./0 &print,a,fix(a)
>>      Inf -32768
>>
>>
>> IDL 5.5
>>
>> IDL> a=1./0 &print,a,fix(a)
>>      Inf    0
>>
>>
>> So I can't say which is right both results are terrible.
>>
>> Now it is totally clear that this case must be tested.
>
>
> I don't see any change in behaviour on Windows 2000 Pro; in 5.4, 5.5 and
> 5.6, I get these identical results:
>
> IDL> a=1./0 &print,a,fix(a)
>      Inf    0
> % Program caused arithmetic error: Floating divide by 0
> % Program caused arithmetic error: Floating illegal operand
>
> Cheers,
> --
> -Dick
>
> Dick Jackson           /      dick@d-jackson.com
> D-Jackson Software Consulting /      http://www.d-jackson.com
> Calgary, Alberta, Canada   / +1-403-242-7398 / Fax: 241-7392
```

>
>

Thanks Dick,

then it seems to be a bug on linux and aix

on aix the result is a bit more different,

```
IDL> a=1./0 & print,a,fix(a)  
      Inf    -1
```

I would prefer as result NaN!

regrads

Reimar

--

Reimar Bauer

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a IDL library at ForschungsZentrum Juelich

http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html

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