
Subject: Re: Readf

Posted by [Maarten\[1\]](#) on Fri, 19 Mar 2010 12:51:01 GMT

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On Mar 19, 12:51 pm, bing999 <thibaultga...@gmail.com> wrote:

```
> i have written a file in fortran this way:
>
> write(444,'(e14.6,1x,e14.6,1x,e14.6)',advance='yes') A, B, C
>
> where A has a value of 2.10^60 and the other ones 0.0000000
>
> The file is printed correctly but when i want to read it with IDL:
>
> readf,11,format='(e14.6,1x,e14.6,1x,e14.6)', A, B, C
>
> It displays Inf for A and 0.0000000 for B and C.
>
> However, it is the same format I don't understand why it prints Inf
> for A ( even if i initialize A = 0.d0)
```

Make sure A is double precision. 2.10^60 is beyond the range of float.

```
IDL> a = 2D60
IDL> b = float(a)
% Program caused arithmetic error: Floating overflow
IDL> help
% At $MAIN$
A      DOUBLE   =  2.0000000e+60
B      FLOAT    =      Inf
```

If you make sure that a, b, and c exist before the read statement (as double precision floats), then all is well. I sure would like to have a compile_opt to use doubles by default.

Maarten
