Subject: Re: Readf

>

>

>

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

View Forum Message <> Reply to Message

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