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Subject: Re: Read & write data files b/w IDL & Fortran 90  
Posted by [Paul Van Delst\[1\]](#) on Wed, 14 Apr 2004 20:56:29 GMT  
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bridgemat wrote:

> Hey, thanks Paul! I'll give it a try. My actual data is all float/real  
> kind of stuff, so I hopefully wouldn't have this problem there. I was  
> just trying to see if I could do it with an "easy" case, but I guess  
> simple isn't always easy! :)

Hello,

Best thing is to present the case that is causing the problem.

You're right, though. You shouldn't have the problem I rabbited on about with regular floats - assuming you have the default declarations in IDL, e.g.

```
x = 0.0
```

and Fortran90,

```
REAL :: x  
x = 0.0
```

If you have either

```
; IDL  
x = 0.0d
```

or

```
; Fortran90  
INTEGER, PARAMETER :: dp = SELECTED_REAL_KIND( 15 )  
REAL( dp ) :: x  
x = 0.0_dp
```

but not both, then the same problem may be occurring.

BTW, I read/write datafiles in IDL and write/read them in Fortran90 all the time (both the sequential and direct unformatted variety). Never had any problems - as long as I'm on the same system. Otherwise you may have byte-sex issues, i.e. reading files created on a little-endian system (PC,Alpha) on a big-endian one (IBM,SGI,Sun,HP,...) or vice-versa.

paulv

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