
Subject: Re: DLM keyword processing

Posted by [Haje Korth](#) on Thu, 14 Oct 2004 13:23:32 GMT

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Ok, never mind, I finally found the bug: I forgot to add the line
if (kw.tilt) IDL_StoreScalar(kw.tilt,IDL_TYP_DOUBLE,&itilt);
to my code. For some reason IDL is also really picky about where this has to
appear. Well, for some magical reason it works now. But this magic is
exactly why I will always prefer Fortran over C: C just controls me while I
can control Fortran. :-)

Haje

"Haje Korth" <noemail@address.com> wrote in message
news:cklpcc\$elo\$1@aplcore.jhuapl.edu...

> Good morning everyone,

>

> I am working on a DLM project and have some trouble with the keyword
> processing. Below is the relevant code that results in my problem, which
is:

> I want to call the routine from IDL as "geopack_recalc,tilt=xxx", so that

> xxx=999.0d on exit. This works fine if I define xxx before the call (e.g.,

> xxx=0). Is there a way to avoid having to define xxx before the call? This

> is an output keyword only, so there should not be a need to set the
variable

> before the call. Does anyone know how to do this?

>

> Thanks for your help,

>

> Haje

>

>

>

>

> void IDL_CDECL geopack_recalc(int argc, IDL_VPTR argv[], char *argk)

>

> {

>

> extern init;

>

> typedef struct {

>

> IDL_KW_RESULT_FIRST_FIELD;

>

> IDL_VPTR tilt;

>

> } KW_RESULT;

>

> static IDL_KW_PAR kw_pars[] = { IDL_KW_FAST_SCAN,

```
>
> {"TILT" ,IDL_TYP_UNDEF,1,IDL_KW_OUT|IDL_KW_ZERO,0,IDL_KW_OFFSETOF(tilt)},
>
> {NULL}
>
> };
>
> KW_RESULT kw;
>
> double tilt;
>
> IDL_ALLTYPES itilt;
>
> IDL_KWProcessByOffset(argc,argv,argk,kw_pars,0,1,&kw);
>
> tilt=999.0;
>
> if (kw.tilt) {
>
> itilt.d=tilt;
>
> IDL_StoreScalar(kw.tilt, IDL_TYP_DOUBLE, &itilt);
>
> }
>
> init=1;
>
> IDL_KW_FREE;
>
> }
>
>
```
