
Subject: Re: Attached function doesn't count in IDL 5.1?
Posted by [Martin Schultz](#) on Fri, 17 Jul 1998 07:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

Richard G. French wrote:

>
> Pao-hung LIN wrote:
>>
> [...]
>
>> both ivds and poly_fit will be compiled, but when my ivds
>> try to call the poly_fit, IDL 5.1 just tell me that the variable
>> is undefined!!!!!!!!!!!!
>>
>> Under IDL 4.*, the ivds can call the poly_fit all right, but
>> not under 5.1WHY?????
>
> It may be that in 4.*, you used a different ordering of your
> functions, or that you first compiled both routines before
> running either. It may also be connected with the introduction
> of the [] notation for defining arrays.=
>
> My suggestion is to put poly_fit in a separate file called
> poly_fit.pro that is on the IDL search path and see if this
> helps.
> Dick French

I noticed, too, that something must have changed between IDL 4.x and 5.x: I keep getting those error messages about undefined variables, and I usually eliminate them with a FORWARD_FUNCTION statement. But I have the impression this wasn't always necessary in 4.x. But in a way, this function declaration makes the code a little "cleaner", so I am not too sorry about it.

Martin.

--

Dr. Martin Schultz
Department for Earth&Planetary Sciences, Harvard University
109 Pierce Hall, 29 Oxford St., Cambridge, MA-02138, USA

phone: (617)-496-8318
fax : (617)-495-4551

e-mail: mgs@io.harvard.edu
Internet-homepage: <http://www-as.harvard.edu/people/staff/mgs/>

Subject: Re: Attached function doesn't count in IDL 5.1?
Posted by [Richard G. French](#) on Fri, 17 Jul 1998 07:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

Pao-hung LIN wrote:

>
> The story goes like this, the poly_fit on IDL 4.**
> doesn't goes well with my data(they are single precision)
>
> So I write another one called poly_fita where all the
> variable are double precision.
>
> I attach this function poly_fita at the buttom of my
> main program, called ivds.
>
***** I believe this is the problem - you need to attach
ivds to the TOP of your main program - the function needs
to be defined before the first reference to it.
>
> both ivds and poly_fita will be compiled, but when my ivds
> try to call the poly_fita, IDL 5.1 just tell me that the variable
> is undefined!!!!!!!!!!!!!!
>
> Under IDL 4.*, the ivds can call the poly_fita all right, but
> not under 5.1WHY?????

It may be that in 4.*, you used a different ordering of your
functtions, or that you first compiled both routines before
running either. It may also be connected with the introduction
of the [] notation for defining arrays.=

My suggestion is to put poly_fita in a separate file called
poly_fita.pro that is on the IDL search path and see if this
helps.

Dick French
