Subject: ROUTINE_NAMES
Posted by landsman on Mon, 19 Apr 1993 07:11:00 GMT
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I notice that the IDL V3.0 User library procedures PWIDGET, GLOBEROT, and
WORLDROT call an intrinsic IDL function called ROUTINE_NAMES.   I cannot
find any online or printed documentation for ROUTINE_NAMES.
I suppose that one should not depend on this routine until RSI makes it
official by documenting it, but I am intrigued by what ROUTINE_NAMES does.
Here's what I've been able to find out so far:

      IDL> print, ROUTINE_NAMES()

prints the names of all compiled IDL procedures

      IDL> print, ROUTINE_NAMES(/LEVEL)

appears to print 1 if the user at the main level, 2 if inside a called
procedure, etc.

In PWIDGET there is call that is something like this

      IDL> print,ROUTINE_NAMES('X',FETCH=2)

and I haven't figure out what it does, or how to make an example work outside
of PWIDGET.   It appears to grab a variable called X from another procedure
-- perhaps this is a fancy alternative for common blocks?   Maybe somebody
out there is a better hacker than I am, and can figure this out.

--Wayne Landsman   landsman@stars.gsfc.nasa.gov

Subject: Re: routine_names
Posted by davidf on Fri, 16 May 1997 07:00:00 GMT
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R. Bauer <r.bauer@fz-juelich.de> writes in an increasingly
desperate way:

> I found in gethelp a function named routine_names, e.g.
> varnames=routine_names(variables=-1)
>
> This function finds the variables which are known by idl.
> Unfortunately, there is no description about the syntax available.
>
> May be the error
>
>   Internal error: VAR_COPY, dynamic bit not set.

>
> comes by using this function during using call external with fortran
> code.
>
> Is there somebody who can help me?

I don't think there is anyone who can help you. VAR_COPY comes
from deep in IDL somewhere. The indications are that this is
pretty clearly a bug. If I have some time today I'll try it in
IDL 5.0.

Cheers,

David

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