
Subject: Unknown error

Posted by [Steven Thiel](#) on Thu, 30 Jan 1997 08:00:00 GMT

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I have recently written a procedure that opens and closes several files when run. Ocassionaly, I run accross the following error:

```
KW_MARK Too many levels deep
```

I have seen this before when running several procedures in one session that require the opening and reading of files. Could someone please tell me what this means and possibly how to keep it from happening?

Subject: Re: Unknown Error

Posted by [davidf](#) on Mon, 18 Jan 1999 08:00:00 GMT

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Bertrand Revenaz (breven@po-box.mcgill.ca) writes:

```
> I'm new to both PV-wave and IDL but I have to translate Wave files to  
> idle. Nothing fancy just some graphing files to plot the results of a  
> model. No interface or anything, it just makes the images. When I try to  
> run the files under IDL I get the following message  
>  
> %prgram code area full  
>  
> I can't find any reference to it in any of the manuals. Can anybody help  
> me...
```

You have in your hands a not-so-well-written IDL program. :-)

Basically, it is too big to be compiled in the space IDL sets aside to compile programs. This should not be a problem in IDL 5.x versions of IDL because the size will be set aside dynamically, but you may have configure the amount of memory set aside for this by hand in earlier versions of IDL. You use the .Size executive command for this purpose.

```
IDL> .Size 50000 25000
```

The other alternative (and what I strongly recommend) is to learn how to write more modular code. This will save you hours and hours of time when it is necessary to extend and maintain your programs.

My guess is this program you have is a gigantic main-level program, when it could easily be 4-5 self-contained IDL

procedures or functions.

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Toll-Free IDL Book Orders: 1-888-461-0155

[Note: This follow-up was e-mailed to the cited author.]

Subject: Re: Unknown Error

Posted by [L. Charles Burgwardt](#) on Mon, 18 Jan 1999 08:00:00 GMT

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I've had procedures use up this "program space" also, but it seems to go away if i just use the pro command and then compile.

Make the program a compiled procedure by putting "pro procedurename" at the top, "end" at the bottom, and then compiling it and running it using "procedurename" instead of "@filename".

Charlie B.

Bertrand Revenaz wrote:

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>
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> breven@po-box.mcgill.ca
