
Subject: Re: regarding scope of variables

Posted by [David Fanning](#) on Sat, 26 Nov 2005 04:42:33 GMT

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IDLmastertobe writes:

> Hi, I have an array of data and I am trying to keep a copy of it so that i
> can restore the original data after certain operations. however I found
> everytime it reiterates the function, the variable that keeps the copy
> would go out of scope and my copy is gone. following is part of my code:
>

> if(size(ydata, /n_dimensions) eq 3) then begin

> if(!firsty eq 1) then begin

> yarr = ydata

> !firsty=0

> endif

> ydata = smooth(yarr, [1, !smo, !smo])

> oyimage->SetProperty, data = ydata

> endif

>

> however, the second time when this code is called, the yarr variable

> becomes undefined since it goes out of scope. What it copied in the first

> time is gone. Since I have no information on the size of the array i'm

> copying, i cannot preset an array as system variable to run. Does anyone

> have any idea?

I have a hunch "variable scope" is not your real problem here.

I already see two more system variables in these few lines of

code than I've ever used in an IDL procedure. :-)

Is the real problem that you can't figure out how to pass around
data in a widget program? Have you thought about using pointers?

Cheers,

David

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