Subject: Re: Pass Pointer through procedures Posted by David Fanning on Thu, 09 Aug 2007 13:04:10 GMT

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payon@gmx.de writes:

- > what is the simpliest way to pass pointers through procedures? I
- > couldn't find anything which exlpain it well. Ok, I read some
- > different things a bout pointers and they weren't helpful.

You are reading the wrong things. Try this:

http://www.dfanning.com/misc_tips/pointers.html

Pointers are nothing more or less than IDL variables. While it is true that the thing the pointer points to is stored in a global memory location, the pointer itself is a local variable and must be treated as such.

And you are also correct that if you are going to use Common blocks, there is no advantage to pointers, unless the thing you are pointing to will be changing in the course of the IDL session.

The usual way to pass variables among procedures and functions is via positional or keyword parameters.

Cheers.

David

--

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

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Pass Pointer through procedures Posted by payon on Thu, 09 Aug 2007 14:11:43 GMT

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Oh thanks Mr. Fanning for your answer.

Well maybe I really read the wrong sources.

But now i tried a look in your book. and i found how to pass variables through procedures.

But I have a small problem, lke you described it with the examlpe of the image which is resized.

Of course, this works, but only if the image variable was defined

before the procedure was started. So After the procedure was executed, the image variable wes changed by through the procedure and could be read by other procedures.

But my problem is, just again a small example

i start a procedure like

pro imageopen, image image=fltarr(300,300) image=openfunction() end

So here in this small procedure the variable is first defined in the procedure itself. So it just should have the function as a output variable, not as input variable-

but the problem is, when i execute the procedure with IDL> imageopen

and then try to open the image IDL> tvscl, image

He can't find the variable. So my question is. Can i just pass variables, when I used them also as input variables, so when i defined them before i called the procedure?

Like

IDL>image=fltarr(300,300) IDL>imageopen, image IDL>tvscl, image

?

greetings

martin

Subject: Re: Pass Pointer through procedures Posted by payon on Thu, 09 Aug 2007 14:19:31 GMT View Forum Message <> Reply to Message

Oh sorry, sorry, i made a small mistake, even if i didn't define the variable before i call my procedure,

i also have to call it like IDL> imageopen, image

So now it works Ok, this was the most important thing. I think, when i could pass variables, it's also the same with pointers. I will try
So thanks a lot!!
greetings
martin