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Subject: Re: pointer problems

Posted by [R.G. Stockwell](#) on Fri, 08 May 2009 18:20:49 GMT

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<tkg@lanl.gov> wrote in message

news:4a103767-1b93-4173-a127-54266f79d290@x31g2000prc.google groups.com...

On May 7, 9:02 pm, "R.G. Stockwell" <noemai...@please.com> wrote:

> <t...@lanl.gov> wrote in message

>

> news:e7dfb99c-91cd-483f-93ba-9e13c31f659a@y33g2000prg.google groups.com...

>

>

>

>

>

>> I'm trying to store an array of pixel xy indicies for later output to

>> a text file. The number of xy pairs is different for each array

>> element. I'm trying to use pointers to do this with the following

>> code snippet:

>

>> xy = ptrarr(npixels, /ALLOC)

>

>> for ipixel = 0, npixels - 1 do begin

>

>> ; much snipped code

>

>> indi = where(superMask ne 0, count)

>

>> if (count gt 0) then \*xy[ipixel] = array\_indices(superMask,

>> indi)

>

>> ; more snipped code

>

>> endfor

>

> You need an else branch to assign the values of

> \*xy in the case where count is = 0.

>

> Or else, accessing xy in the future can result in

> "variable is undefined" error messages.

>

> cheers,

> bob

> I saw that possibility and changed the code, but count

> doesn't have a 'zero' case in the test data I've used so far.

> Something else is causing the "variable is undefined" message.

> If this were a C program, I'd suspect a buffer overrun, but,

> being relatively new to IDL programming, I don't know how to  
> avoid that in IDL.

.>Thanks,  
> Tom

Well, why not check \*xy in each iteration of the loop  
(just before the endfor)  
to make sure each element is indeed getting defined.  
for instance: help,ipixel,ind,\*xy[ipixel]

Another other code in the snipped parts that is redefining 'ipixel'?

Can you give us the line that causes the 'variable is undefined' message?

cheers,  
bob

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