
Subject: How come? Weird subarray problem...

Posted by [stefan.meingast](#) on Fri, 12 Jul 2013 20:07:13 GMT

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Hey

I have been wondering why a specific part of my code does not work and I discovered this:

```
a = findgen(10,10,10)
help, a
FLOAT    = Array[10, 10, 10]
help, a[,*,0]
FLOAT    = Array[10, 10]
help, a[,0,*]
FLOAT    = Array[10, 1, 10]
help, a[0,*,*]
FLOAT    = Array[1, 10, 10]
```

IDL only recognises a subarray correctly if the given index is at the last position...is this normal or maybe is there a way around this?

cheers

:)

Subject: Re: How come? Weird subarray problem...

Posted by [David Fanning](#) on Fri, 12 Jul 2013 20:13:18 GMT

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Stefan writes:

> I have been wondering why a specific part of my code does not work and I discovered this:

>

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> help, a

> FLOAT = Array[10, 10, 10]

> help, a[,*,0]

> FLOAT = Array[10, 10]

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> help, a[0,*,*]

> FLOAT = Array[1, 10, 10]

>

>

> IDL only recognises a subarray correctly if the given index is at the last position...is this normal or maybe is there a way around this?

A better way to state this is that IDL only *incorrectly* recognizes a subarray when the given index is at the last position, when it inexplicably drops the final dimension. (Well, inexplicably for a lot of people. Some people--you maybe--like this way of doing things.) In any case, a simple REFORM may set you right, for whatever it is you are doing.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

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

Subject: Re: How come? Weird subarray problem...
Posted by [stefan.meingast](#) on Fri, 12 Jul 2013 20:23:18 GMT
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Am Freitag, 12. Juli 2013 22:13:18 UTC+2 schrieb David Fanning:

> Stefan writes:

>

>

>

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> Cheers,
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> David
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> --
>
> David Fanning, Ph.D.
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>
> Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
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> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

True, I just never checked how this worked since I always got the results I wanted so far...I guess I need to check some of my code, hehe.

The tip with the REFORM works flawlessly, thanks a lot again!! :)
