Subject: Re: How come? Weird subarray problem...
Posted by David Fanning on Fri, 12 Jul 2013 20:13:18 GMT

Stefan writes:

> 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?

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

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Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")