Subject: Re: Do you find this weird too?
Posted by Allan Whiteford on Mon, 19 Nov 2007 10:36:35 GMT
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Lasse,

From "Using arrays as subscripts":

"Clipping
If an element of the subscript array is less than or equal to zero, the first element of the subscripted array is selected. If an element of the subscript array is greater than or equal to the last subscript in the subscripted array, the last element is selected. "

this is what it's supposed to do although I've never found any kind of use for it.

You can say scary things like:

a=findgen(50)
a[[100]]=7 ; not the same as a[100]=7
print,a[49]

for me, it throws away all the nice error checking you thought you had for arrays overrunning.

Thanks,

Allan

Lasse Clausen wrote:
> Hi there,
>
> hope this gets through to you guys, now with all the spam and whatnot.
> Anywho, maybe this has come up before, here is some code
>
> aa = randomu(12L, 200, 100)
> ff = findgen(100)
> maxs = max(aa, maxind, dimension=2)
> print, maxind[0:10]
> help, ff[maxind[0:10]]
> plot, ff[maxind[0:10]]
>
> Now I find this weird, because maxind is an array of longs clearly
> bigger than the size of ff but IDL does not complain and plots
> something (btw not what I want but this is solved with array_indices).
> Is this something to do with the fact that maxind is a 1D
> representation of 2D array indices? I hope it is because otherwise why

> does IDL not fall over complaining that maxind[0], which on my machine
> is 19200, is bigger than the size of ff.
>
> Mhmm
>
> print, ff[maxind[0]]
>
> falls over
>
> print, ff[maxind[0:1]]
>
> doesn't.
>
> btw print, !version
> { x86 linux unix linux 6.2 Jun 20 2005 32 64}
>
> Cheers
> Lasse
