
Subject: Re: Summer "English" heat or just me: Array slicing

Posted by [Lajos Foldy](#) on Tue, 23 Jul 2013 16:16:39 GMT

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On Tuesday, July 23, 2013 5:51:10 PM UTC+2, ameigs wrote:

> I'm betting this is too easy, but having been away from my work computer for several weeks I think dementia has set in:

>

>

>

> Here's a simple array:

>

> IDL> a = [[1,2,3,4,5,6],[7,8,9,10,11,12]]

>

> IDL> help, a

>

> A INT = Array[6, 2]

>

> IDL> print, a

>

> 1 2 3 4 5 6

>

> 7 8 9 10 11 12

>

>

>

> I want to get just the indices of dim 0 and dim 1 I need from a list of indices. So I tried this:

>

> IDL> print, a[[0,3,5],[0]]

>

> % All array subscripts must be same size. Var = A

>

>

>

> But this works

>

> IDL> print, a[[0,3,5],0]

>

> 1 4 6

>

> IDL> print, a[[0,3,5],1]

>

> 7 10 12

>

> IDL>

>

> IDL> print, a[[0,3,5],0:1]

>

```
>      1      4      6
>
>      7      10     12
>
> IDL>
>
> And this does not:
>
> IDL> print, a[[0,3,5],[0,1]]
>
> % All array subscripts must be same size. Var = A
>
> % Execution halted at: $MAIN$
>
>
>
> What have I forgotten?
>
>
>
> Andy
```

If all subscripts are array subscripts, then their sizes must be equal.

regards,
Lajos
