Subject: subscripting arrays
Posted by Benjamin Hornberger on Mon, 14 Nov 2005 04:47:12 GMT
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Hi all,

this is probably simple, but I can't figure it out right now:

I want to extract an element from a 2d array, and I have the 2d
subscripts of that element available as a 2-element vector.

```
IDL> a = dist(300)
IDL> b = [30, 50]
IDL> print, a[b]
      30.0000    50.0000
```

Not what I want. What I want is

```
IDL> print, a[b[0], b[1]]
      58.3095
```

Is there a more elegant way than splitting b up?

Thanks,
Benjamin

Subject: Re: subscripting arrays
Posted by Chris Lee on Tue, 22 Nov 2005 09:36:47 GMT
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Benjamin Hornberger wrote:
> Hi all,
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> IDL> print, a[b[0], b[1]]
>   58.3095

>
> Is there a more elegant way than splitting b up?
>
> Thanks,
> Benjamin

You can get the correct answer using the one-dimensional index.

```
a=dist(300)
b=[30,50]
scale=[1,300]
print, a[total(b*scale)]
```

but it's not very elegant.

Chris.
