
Subject: Re: Array indexing

Posted by [marc schellens\[1\]](#) on Tue, 16 Jul 2002 08:50:43 GMT

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Andre Kyme wrote:

> Hi everyone,
>
> I have a 2D image and want to index a bunch of (x,y) pairs.
> X is the set of x coords and Y the set of y coords. Say I want
> to set all (x,y) pairs to 200:
>
> image[X,Y]=200
>
> This is fine. But if image has multiple slices and I do:
>
> image[X,Y,0]=200
>
> all possible combinations of points in X and Y get set to 200,
> whereas I only want corresponding values in X and Y set.
> Is there some array notation I'm missing that enables this?

All possible combinations you get when the indexing arrays are of different size.

So here you want to write:

```
Z=lonarr(n_elements(X))  
image[X,Y,Z]=200
```

cheers,
:-) marc
