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Subject: concatenating beyond [[][]]

Posted by [mperrin+news](#) on Wed, 23 Oct 2002 20:08:09 GMT

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How best to venture into the land where square brackets fail?

I want to concatenate some 3D data cubes into a 4D dataset.

(Basically this is a cube of images produced as I vary two parameters in a simulation). Square brackets don't work.

Is there any more elegant or faster solution than just a

for loop wrapped around

```
bigarr[:,*,i,j] = littlearr[:,*]
```

?

In particular it would be nice to be able to append an entire

3D 'slice' to my 4D data cube without having to re-allocate

a new larger array and copy everything over, but that's probably not easy to do, is it?

- Marshall

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