
Subject: Re: Array Concatenation?

Posted by [lecacheux.alain](#) on Fri, 29 Jun 2012 14:46:50 GMT

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On 29 juin, 13:02, rj...@le.ac.uk wrote:

> Hi
>
> I have two 4 dimensional arrays like so:
>
> Array[480, 241, 60, 124]
>
> The 4th dimension (124 elements) is time. I want to concatenate the 1st timestep for the
second array to the first array, something like this:
>
> new=[array1, array2[:, :, *, 0]]
>
> But I can't get the syntax correct to do the concatenation on the 4th dimension.
>
> Any ideas what I'm doing wrong? I've tried various levels of []'s but can't get it working.
>
> Cheers
>
>

IDL concatenates arrays over the first dimension by using [array1,
array2] construct.

To achieve concatenation in your case, you might transpose your arrays
first, then transpose the result back, as follows:

```
new = transpose([transpose(array1), (transpose(array2))[0,*,*,*])
```

The second array must be transposed before you select last column
elements to avoid implicit elimination by IDL of the last dimension in
array2[:,*,*,0].

alain.
