
Subject: Re: Array Concatenation?

Posted by [rjp23](#) on Wed, 11 Jul 2012 09:10:33 GMT

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On Friday, June 29, 2012 7:16:33 PM UTC+1, Heinz Stege wrote:

> On Fri, 29 Jun 2012 04:02:28 -0700 (PDT), rjp23@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
>
> David Fanning has written an article about this:
> http://www.idlcoyote.com/tips/array_concatenation.html
>
> HTH, Heinz

Unfortunately I believe the caveat to that article applies here:

"One caveat: a bug in IDL (as I see it) limits the practical concatenation dimension to 3, even though up to 8 dimensions are supported (i.e. only two pairs of extra brackets are allowed per entry... sorry no [[[[[[[a]]]]]]) permitted). You'll need higher magic if you use 8 dimensional datasets anyway. "

I guess what I was really asking was what this "higher magic" was.
