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Subject: Re: Array Concatenation?

Posted by [Heinz Stege](#) on Wed, 11 Jul 2012 11:15:56 GMT

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On Wed, 11 Jul 2012 02:10:33 -0700 (PDT), Rob wrote:

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

>>

>> David Fanning has written an article about this:

>> [http://www.idlcoyote.com/tips/array\\_concatenation.html](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.

I don't know what Davids "higher magic" is. (And up to now I didn't know about this limitation to IDLs array concatenation.) My first try would be to merge all dimensions before the one to concatenate by the reform function:

```
a=indgen(6,5,4,3,2)
b=indgen(6,5,4,1,2)
a=reform(a,6*5*4,3,2,/overwrite)
b=reform(b,6*5*4,1,2,/overwrite)
c=[[a],[b]]
c=reform(c,6,5,4,4,2,/overwrite)
```

This results in an array C having the dimensions [6,5,4,4,2].

Cheers, Heinz

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