
Subject: Re: array concatenation in 2-D

Posted by [Jean H.](#) on Fri, 04 Apr 2008 19:31:13 GMT

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elwood wrote:

> I have a loop which calculates two variables x[i] and y[i]
>
> At each iteration of the loop I calculate
> x and y
> And I'd like to concatenate x and y into a 2 column, unknown numbers
> of rows
> output array.
> I'd like to dynamically grow the output array at each iteration.
>
> For example:
> x=1 y=5 on first iteration
> x=2, y=6 on 2nd iteration
> I want an output array that looks like the below:
>
> 1 5
> 2 6
>
> How do i achieve this without knowing the array size??
>
>
> Tx!
> -Elisha

Elisha,

You can concatenate the arrays, as you suggest:

```
a = [[1,2],[3,4]]  
a = [[a],[5,6]]  
help,a  
==>A INT = Array[2, 3]
```

However, if you have many elements, this can be very resources consuming. Another option is to create a "big" 2*n array, to progressively fill it, to keep a counter on the number of entries, and finally to cut what you haven't used.... and similarly, if your array is not big enough, add a large number of rows and keep filling them (use the same concatenation method as above)

Jean
