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 interation.

>

- > 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