
Subject: Re: array concatenation in 2-D
Posted by [David Fanning](#) on Fri, 04 Apr 2008 19:40:09 GMT
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R.G. Stockwell writes:

- > If it is always 2 columns by whatever rows, then just concatenate the
- > arrays.
- > (you may have to do some tranposes)
- >
- > If there is a variable number of columns, then as David says, pointers.

Oh, here (for those you don't have time to read
the Dimensional Juggling and Pointer tutorials):

```
PRO Example
arrayptr = Ptr_New()
seed = -3L
FOR j=0,9 DO BEGIN
    points = Randomu(seed, 2)
    Print, 'Points: ', points
    IF j EQ 0 THEN $
        arrayptr = Ptr_New(points) ELSE $
        *arrayptr = [[Temporary(*arrayptr)], [points]]
ENDFOR

Print, 'Print Values in Pointer'
Print, *arrayPtr
Ptr_Free, arrayPtr
END
```

Results in:

```
Points: 0.897916 0.558249
Points: 0.766930 0.589101
Points: 0.0603181 0.973112
Points: 0.0378892 0.218058
Points: 0.142394 0.984703
Points: 0.894904 0.947651
Points: 0.804079 0.160385
Points: 0.208246 0.818130
Points: 0.103716 0.741117
Points: 0.0134482 0.0960160
Print Values in Pointer
0.897916 0.558249
0.766930 0.589101
0.0603181 0.973112
0.0378892 0.218058
```

| | |
|-----------|-----------|
| 0.142394 | 0.984703 |
| 0.894904 | 0.947651 |
| 0.804079 | 0.160385 |
| 0.208246 | 0.818130 |
| 0.103716 | 0.741117 |
| 0.0134482 | 0.0960160 |

Cheers,

David

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Coyote's Guide to IDL Programming (www.dfanning.com)
Sepore ma de ni thui. ("Perhaps thou speakest truth.")
