
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.")
