
Subject: Collection of different size arrays?

Posted by [Jonathan Greenberg](#) on Tue, 13 Jul 2004 22:10:26 GMT

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I'm unfamiliar with the use of structures, but I'm guessing this is the answer. Lets say I have some program generate arrays using the following algorithm:

```
For I=1,5 do begin
    temparr=fltarr(i)
Endfor
```

I want to "collect" all of the temparr that are created within the loop such that I can access each array by some sort of index (which would be from 0 to 4) -- e.g. I want to be able to do something like:

```
A = temparr at index 2
Print,A
--> (0,1)
```

An obvious solution is to put "0s" in and make a 2d array, where the row is the index, so I get something like

```
0,0,0,0,0
0,1,0,0,0
0,1,2,0,0
0,1,2,3,0
0,1,2,3,4
```

However, this takes up a lot of space and the nature of the algorithm I want to use I would like to have smaller arrays be "compressed" without having to crop them each time.

What do I put inside the for loop to generate:

```
1:0
2:0,1
3:0,1,2
4:0,1,2,3
5:0,1,2,3,4
```

???

Thanks!

--j

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