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Subject: Question about storing arrays in pointer array.

Posted by [lan\[2\]](#) on Thu, 08 Mar 2012 21:42:44 GMT

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Hello All,

I have a question regarding the storage of arrays within arrays. I am attempting to read in 14 data files with 5 vectors of 512 elements. I have attempted two methods:

```
;test attempting to read in variety of data and overplot it in a stack
;without y-axis and single x-axis
```

```
boo=DBLARR(14, 512)
;boo=PTRARR(14)
for x = 0,13,1 do begin
  rdcoll, 'iz_diff_rot'+STRCOMPRESS(x,/REMOVE_ALL)
  +'.dat',p1,p2,p3,p4,p5
  print, i, " The dat file is: ", 'iz_diff_rot'+STRCOMPRESS(x,/
  REMOVE_ALL)+'.dat'
```

```
;attempt 1
;Fills the pointer array with 14 dbl arrays. Use boo=PTR....
; for i=0,13,1 do begin
;   boo[i]=PTR_NEW(DBLARR(512))
;   p5=boo[i]
; endfor
;endfor
```

```
;attempt 2
;Creates two dimensional array of 14 columns with 512 elements. Use
boo=DBL....
  for i = 0,13,1 do begin
    for j = 0,511,1 do begin
      boo[i,j]=p5[j]
    endfor
    print, boo[i,300]
  endfor
endfor
```

END

Attempt one using the pointer array provides 14 arrays but the values are all zero, can anybody give a suggestion on how to store the new p5 in boo[i]?

Thanks for your time.

Sincerely  
Ian

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