
Subject: Re: Question about storing arrays in pointer array.

Posted by [cgguido](#) on Thu, 08 Mar 2012 22:44:19 GMT

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On Thursday, March 8, 2012 3:42:44 PM UTC-6, Ian wrote:

```
> 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
>   rdcol, '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

What's wrong with a 3D array [14,512,5] ?

What does the pointer business do for you here?

G
