
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  
>   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,/br/> 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
