
Subject: HELP adding arrays

Posted by [Dete van Eeden](#) on Sun, 26 Jul 2015 15:30:12 GMT

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Hallo

I have posted before but I still cant add arrays together!

I have tried the total command:

```
finaal=fltarr(1508)
values=fltarr(1508,6)
```

```
finaal=total(values,2)
```

finaal is equal to the last array...

I have also tried

```
finaal=fltarr(1508)
values=fltarr(1508,6)
```

```
finaal=temporary(finaal) + values[:,j]
```

finaal is Still equal to the last array

What the hell?!

It cant be that difficult.....

Subject: Re: HELP adding arrays

Posted by [dg86](#) on Sun, 26 Jul 2015 17:41:18 GMT

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On Sunday, July 26, 2015 at 11:30:16 AM UTC-4, Dete van Eeden wrote:

> Hallo

>

> I have posted before but I still cant add arrays together!

>

> I have tried the total command:

>

> finaal=fltarr(1508)

> values=fltarr(1508,6)

>

> finaal=total(values,2)

>

> finaal is equal to the last array...

>
> I have also tried
>
> finaal=fltarr(1508)
> values=fltarr(1508,6)
>
> finaal=temporary(finaal) + values[:,j]
>
> finaal is Still equal to the last array
>
> What the hell?!
>
> It cant be that difficult.....

Your "values" all have the value zero. The sum is working, but you're only adding up the value zero. Try this ...

```
IDL> values = findgen(5, 6) ; create a small index array for demo
IDL> finaal = total(values, 2) ; sum over the second dimension
IDL> print, finaal
  75.000000   81.000000   87.000000   93.000000   99.000000
```

It works!

All the best,

David

Subject: Re: HELP adding arrays
Posted by [Dete van Eeden](#) on Sun, 26 Jul 2015 17:46:47 GMT
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Thanks David

The 'values' actually consists of values....

I just skipped the part where I open the files and read them.

If I have an array (1508,6) and I sum over the second dimension... does it add all the values (1508 of them) over the six different arrays?

Subject: Re: HELP adding arrays
Posted by [Dete van Eeden](#) on Sun, 26 Jul 2015 17:49:42 GMT
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```
for j=0,5 do begin
```

```
.....
```

```
    openr,l,File4,/get_lun
```

```
    readf,l,val
```

```
    values(*,j) = val
```

Subject: Re: HELP adding arrays

Posted by [Dete van Eeden](#) on Sun, 26 Jul 2015 17:51:33 GMT

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```
for j=0,5 do begin
```

```
...go to the filename etc....
```

```
openr,l,File4,/get_lun
```

```
readf,l,val
```

```
values(*,j) = val
```

```
    free_lun
```

```
finaal =temporary(finaal) + values[* ,j]
```

```
or finaal = total(values,2)
```

```
endfor
```

```
it doesnt work
```

Subject: Re: HELP adding arrays

Posted by [David Fanning](#) on Sun, 26 Jul 2015 19:41:51 GMT

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Dete van Eeden writes:

```
> for j=0,5 do begin
```

```
>
```

```
> ...go to the filename etc....
```

```
>
```

```
> openr,l,File4,/get_lun
```

```
>  
> readf,l,val  
>  
> values(*,j) = val  
>  
>     free_lun  
>  
> finaal =temporary(finaal) + values[* ,j]  
>  
> or finaal = total(values,2)  
>  
> endfor  
>  
> it doesnt work
```

Uh, take the TOTAL calculation out of your loop. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")
