
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)
>
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> finaal is equal to the last array...

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> 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 a 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.")
