
Subject: Re: quickly totaling sections of an array
Posted by [Conor](#) on Tue, 13 Feb 2007 15:25:38 GMT
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Hmm... I found sample code here: http://www.dfanning.com/code_tips/drizzling.html

that claims to do the job, but that doesn't work. The first problem is that `n_ind` isn't defined. I set that to `n_elements(h1)+1` and then ran again. Then I got this:

```
% SPRSIN: Vector must have 6 elements: <FLOAT   Array[3]>
```

Anyone happen to know what's going on here, or have a better suggestion?

On Feb 13, 10:05 am, "Conor" <cmanc...@gmail.com> wrote:

```
> Hey Everyone,  
> I'm essentially trying to add together separate sections of an  
> array, and I need to do it in a very speedy fashion. Here's the  
> breakdown in IDL. I would want to take an array like this:  
>  
> vals = [10, 15, 13, 12, 11, 14]  
>  
> and imagine I have a mask (which I can easily make) like this:  
>  
> mask = [ 0, 0, 0, 1, 1, 1 ]  
>  
> I would then want to add together everything with the same mask value  
> and put it in a new array. So the result would be:  
>  
> sums = [38, 37]  
>  
> I'm generating images, and for each image I generate this will be done  
> 1000 times, and there will be 1000 different mask values each time it  
> is done. I'll be generating a couple hundred images, so I'll be  
> running this task a couple hundred thousand times - i.e. execution  
> speed is very important. Any suggestions on how to speed things up  
> would be highly appreciated.  
> Thanks in advanced,  
> Conor
```
