
Subject: quickly totaling sections of an array
Posted by [Conor](#) on Tue, 13 Feb 2007 15:05:39 GMT
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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
