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Subject: Re: Question about the TOTAL function.  
Posted by [James Kuyper](#) on Fri, 15 Apr 2005 16:08:15 GMT  
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Nuno Oliveira wrote:

```
> I have a question that somebody that works with IDL many had faced before.  
> Imagine I have a matrix(X,Y), no matter the type of variable, and if want na  
> array with the projection along de x axis, something like  
>  
>  
>  
>         for i = 0, n-1 do $  
>  
> SUMX = TOTAL(i, *)
```

```
; I presume you mean  
sumx[i] = TOTAL(matrix[i,*])
```

```
> How can I do it without the FOR cicle.
```

```
sumx = TOTAL(matrix, 2)
```

```
; Similarly, if you want to calculate  
sumy[j] = TOTAL(matrix[:,j])
```

```
; you can just use:  
sumy = TOTAL(matrix,1)
```

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