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Subject: Re: Question about the TOTAL function.  
Posted by [Benjamin Hornberger](#) on Fri, 15 Apr 2005 16:38:35 GMT  
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Have a look at the "dimension" parameter of the TOTAL function. You need to do

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

or maybe 1 instead of 2 -- I didn't really understand which dimension you want to sum over.

Benjamin

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, \*)

>

>

>

> How can I do it without the FOR cicle.

>

>

>

> If I try

>

>

>

>       SUMX[ 0:N-1 ] = TOTAL( 0:N-1, \* )

>

>

>

> The function returns the total of the matrix for the every position of SUMX.

> Is there a way that I can do it quicker?

>

>

>

> Thanks in advance,

>

>

>  
> Greeting,  
>  
>  
>  
> Nuno.  
>  
>

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