Subject: Re: Question about the TOTAL function.
Posted by rexford.newbould on Fri, 15 Apr 2005 16:05:47 GMT
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(Your question is actually pretty simple, so even I can field it.)

I think you're asking if you can sum along a single dimension in a
matrix, e.g.:
for i = 0, n-1 do $
  SUMX = TOTAL(matrix[i,*])

If so, check the help for total. You can pass an optional argument
which is the dimension along which to sum.

SUMX = TOTAL(matrix,0)
SUMY = TOTAL(matrix,1)

Cheers,
Rex

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.
