Subject: Re: Help : Scalar operations
Posted by korpela on Sat, 27 Mar 1999 08:00:00 GMT
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In article <36FD0F88.7D9BFAA0@info.fundp.ac.be>,
VU KHAC Tri <tvk@info.fundp.ac.be> wrote:
>
> I have a 3D matrix and have to execute a scalar operation on the all
> elements (floating-point number) of this matrix. It seems very simple to
> do with:
> for...
>   for...
>   for...
> Then, I see that this doing takes so much time (about 1 minute) since
> the matrix is of the size 100*100*100.

There are very few scalar operations on a matrix that you need to
do loops for... What scalar operation is it?

Scalar addition and multiplication are easy.

```
IDL> a=fltarr(100,100,100)
IDL> a=a+1              ; Adds 1 to every element of a
IDL> a=a*10             ; Multiplies every element of a by 10
```

Eric

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Eric Korpela | An object at rest can never be
korpela@ssl.berkeley.edu | stopped.
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