Subject: Assignment Time for a 3d Variable
Posted by Nuno Oliveira on Wed, 23 Nov 2005 12:15:14 GMT
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I was making a routine that was doing an intense assignment in one of the three directions possible, according to an option (either the first, second or third dimension). I noticed that when I was doing it in the first direction I took MUCH more time than in the other two directions.

Anyone has a clue for why does this happen? And anyone knows a way that can make execution time similar? (Making the others to wait is not a valid answer, ;))

Here is the code for checking the execution times:

```
time = systime(1)
for k = 0, 99 do $
 temp = vol[k,*,*]
print, 'execution time (for x axis): '+STRING(systime(1) - time)

time = systime(1)
for k = 0, 99 do $
 temp = vol[*,k,*]
print, 'execution time (for y axis): '+STRING(systime(1) - time)

time = systime(1)
for k = 0, 99 do $
 temp = vol[*,k,*]
print, 'execution time (for z axis): '+STRING(systime(1) - time)
```

And this is what I get:

```
execution time (for x axis):      0.24305296
execution time (for y axis):     0.0063638687
execution time (for z axis):     0.0065510273
```