
Subject: improve calculation time

Posted by [g.nacarts](#) on Tue, 08 Jul 2014 18:29:57 GMT

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Hello

I am trying to improve my code in order to make it faster. A part of my code is the following

```
DIM = make_array(301,301,/DOUBLE)
```

```
pval = 0
```

```
for i=0, 300 do begin
```

```
  for j=0, 300 do begin
```

```
    x = round(i + Bx[i, j])
```

```
    y = round(j + By[i, j])
```

```
    if (x lt 301) && (y lt 301) && (x ge 0) && (y ge 0) then begin
```

```
      DIM[i,j] = SIM[x, y]
```

```
    endif
```

```
    pval= pval + (DIM[i,j] - TIM[i, j])^2.
```

```
  endfor
```

```
endfor
```

Because I repeat the above procedure a lot of times it takes time to run. I noticed that the DIM array it's creating in every single iteration and I supposed that it takes time. I was wondering if I can write it in a different way in order to overwrite it in each iteration instead of delete it and create it all the time. To overwrite it I need to add it into the loop?

Regards,

Gina
