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Subject: Quickest method for calculation

Posted by [jaz](#) on Mon, 24 May 2010 11:25:25 GMT

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Due to the size of the simulations i'm running, my programs are incredibly memory intensive.

As a result, some of the calculations are taking quite a large amount of time to compute. Here is an example:

These are the array sizes:-

```
top_tem = fltarr(200000,2002)
y.rho = fltarr(200000,2002)
temperature = fltarr(200000,2002)
```

and this is one of the calculations i do, which takes quite a while:

```
top_tem = TEMPORARY(top_tem) + (y.rho^2.0 * temperature)
```

i use TEMPORARY so that it doesn't eat up much memory.

But, is there a better way to do this calculation? Would it be better to break it up somehow?

Any advice would be great.

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