
Subject: Re: Quickest method for calculation
Posted by [Gray](#) on Mon, 24 May 2010 14:39:48 GMT
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On May 24, 7:25 am, jaz <jazpear...@gmail.com> wrote:

> 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.

Well, you can use the += operator, I dunno if that will help.
However, instead of squaring, you should do y.rho*y.rho.
