Subject: Re: The best way to keep data in RAM / object-oriented programming
Posted by Kenneth P. Bowman on Thu, 03 Dec 2009 18:44:24 GMT
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In article
<f9ac2203-ccfc-4917-b300-4db3750b6e37@m38g2000yqd.googlegroups.com>,
 nata <bernat.puigdomenech@gmail.com> wrote:

> I'm sorry guys but I don't see the difference.
> I understand what are you explaining and the functionality of the
> NO_COPY KEYWORD but the result is the same...
>
> If I've to store an array fltarr(400,400,24,97) in a pointer, the
> result, in heap memory usage, is the same if I do:
>
> a=fltarr(400,400,24,97)
> b=ptr_new(a)
> a=0l
> help, /heap
>
> or
>
> a=fltarr(400,400,24,97)
> b=ptr_new(a,/no_copy)
> help, /heap
>

> Cheers,
> nata
>
>
> So, that's not what I'm looking for. I need to keep the arrays in
> memory but using less memory resources. Is it possible?

400 x 400 x 24 x 97 x (4 bytes) is approx. 1.5 GB.

The only way to use less memory is to use a smaller type
(e.g., INTs) and give up both precision and convenience.

Memory is very cheap nowadays.

Ken Bowman