
Subject: Re: too many elements
Posted by [Hu](#) on Fri, 12 Jun 2009 14:35:26 GMT
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On Jun 11, 6:47 pm, David Fanning <n...@dfanning.com> wrote:

> Hu writes:
>> the problem is: I want to deal with a time series images, each image is
>> 2300*1500 pixels, there are 300 images in total. so I have to define a
>> array 2300*1500*300 to store all pixels. there is no problems till
>> now, the problem is : each pixel at each time point have its own
>> ancillary data, these ancillary information are essential for process
>> the pixel values through time and space axes.
>
>> and, for my limited knowledge about IDL, I have to define another four
>> array to store these ancillary data. the error appears when I define
>> an extra array to store the values after all processing steps....
>
>> you could image my embarrassing situation.
>
>> all i want to know is whether there is an way to store these
>> information without any memory allocation, does Pointer help?
>
> OK, no, there is no way to store the data without
> "memory allocation". And, no, a pointer doesn't help.
>
> What you *might* be able to do is store these data
> on your disk and access them via an "associated
> variable" method. (This is how ENVI works with large
> files.) With an associated variable you associate
> some kind of data structure with a file. You can
> pull pieces of the data out of the file without having
> to read the entire file into a variable all at once.
> This is, I think, your only hope with a 32-bit OS.
>
> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.
> Coyote's Guide to IDL Programming (www.dfanning.com)
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Yes, your method is works.

I first store these dataset as an file in hard disk, and then
associate them with a variable when necessary.

Thanks, David.
