
Subject: Re: working with very large data sets
Posted by [wmc](#) on Thu, 18 Mar 1999 08:00:00 GMT
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Steve Carothers <onav1@flash.net> wrote:

> I am working with 71 Mb data file on UNIX server that has 256 Mb RAM and 500
> Mb of virtual memory. I'm not doing much data manipulation before I plot
> the data, but it doesn't take much manipulation to exceed the memory
> allocation.

Is it possible you are not allowed to use all this memory? Have you tried the
csh command "limit"?

-W.

--

William M Connolley | wmc@bas.ac.uk | <http://www.nbs.ac.uk/public/icd/wmc/>
Climate Modeller, British Antarctic Survey | Disclaimer: I speak for myself

Subject: Re: working with very large data sets
Posted by [R.Bauer](#) on Thu, 18 Mar 1999 08:00:00 GMT
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Steve Carothers wrote:

> I am working with 71 Mb data file on UNIX server that has 256 Mb RAM and 500
> Mb of virtual memory. I'm not doing much data manipulation before I plot
> the data, but it doesn't take much manipulation to exceed the memory
> allocation. I understand the benefits of chunking up the data, but I would
> really like to keep all the data together for plotting purposes. I think my
> PV-Wave script could run properly if I can figure out how to minimize or
> eliminate memory fragmentation. When I'm done with a variable I set it
> equal to 0 to free up the memory. However, if I understand the manual
> correctly, this will not free up contiguous memory, which is what I need.
> Delstruct and delvar might help me but they can't be used inside a script,
> only at the prompt. I have a feeling I'll be forced to chunk up the data.
>
> Also, is there a way to remove a set of records from an array of structures
> if the records to delete are known without using the "where" command and
> without creating a temporary variable in the memory?
>
> Any advice would be appreciated.
>
> Steve

look at temporary

```
a=bytarr(2e5)  
b=temporary(a)+1b
```

R.Bauer
