Subject: Re: Solve memory problems
Posted by corinnefrey on Tue, 13 Jan 2009 14:34:30 GMT
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hi carsten,

indeed, this is the case in my actual problem. i am using a programme,
which uses several subprogrammes and subsub-programmes. between each
level there is an exchange of variables. if i defined all variables
and return-variables at the beginning, i would run out of memory just
by defining the variables. but probably i could make a compilation of
the "most wanted" variables to have them at a constant place from the
beginning. could be worth checking out!

thanks,
corinne

> All the memory you use in a function or procedure is given back when that
> function returns, except for any variables that are handed back via
> arguments or function return values.
>
> This is pure conjecture, but maybe you use some memory in your function, then
> allocate more memory for the return value, then return, freeing the earlier
> memory, but leaving you with the return value allocated somewhere "in the
> middle" of the heap memory, thereby fragmenting it more and more with each
> call of the function. Then, it should make a difference if you allocate
> your return array at the beginning of your function.
>
> Maybe you could use memtest.pro to investigate the fragmentation problem?
>
> chl