
Subject: Large arrays, inefficient pointers, memory allocation... HELP!

Posted by [Alvin Das](#) on Sat, 25 Feb 2006 08:02:35 GMT

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Hi IDL users:

I am desperately in need of help here. I am developing a model in IDL 6.1 because of its good visualization (itools) but I have serious problems with memory allocation due to large arrays. To see what I mean I am enclosing my program (if it can be called a program) for any one to try running.

http://www.chara.gsu.edu/~das/generate_model.pro

just type "f" at the prompt to run default values to see the outcome of the program. The program is taking ~30 sec to run with default values. However if one type "r" then type "200" then type "f", the program struggles. Basically the "r" means larger arrays. So I need help to minimize the run time by efficient managing of these large arrays. This work is part of my dissertation and any help will be gladly acknowledged in the write up (which is actually in suppose to be in 2 weeks). I will greatly appreciate if someone could spare me some of their valuable time.

Das
