
Subject: Memory problems update.

Posted by [thompson](#) on Wed, 08 Jan 1992 18:24:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

To test the memory limitations of IDL version 1 versus version 2.2.1, I ran the following program to see where it would crash.

```
for i = 1,100  
  j = 100*i  
  print,j  
  a = fltarr(j,j)  
endfor  
end
```

I have a pagefile quota of 78471 blocks. I chose this method primarily because I had heard rumors that if one recreates an array that already exists with a size bigger than it had before, the old memory is not deallocated.

IDL version 1 was unable to obtain enough memory to build the 2000x2000 array, while IDL version 2 was unable to build the 1400x1400 array.

This seems to be consistent with IDL version 2 not deallocating the memory, since 1400x1400 would then be where the accumulated total would exceed the pagefile quota.

Just saying "a = fltarr(2000,2000)" in a separate IDL 2.2.1 session does work, however, as does

```
a = fltarr(1900,1900)  
a = fltarr(2000,2000)
```

Does anybody know what causes this? Is the rumor I heard true?

Bill Thompson
