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Subject: Re: large arrays and transpose

Posted by [Don J Lindler](#) on Mon, 01 Jul 2002 15:18:14 GMT

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>  
> I have an array like so:  
>  
> output = intarr(100, 3600,1800)  
>  
> At the end of my program, I would like to do this:  
> output = TRANSPOSE(output, [1, 2, 0])  
>  
> Problem is that the array is too large, and I am "unable to allocate  
memory  
> to make array."  
>

You might try something like this:

```
openw,1,'temp'  
for i=0,99 do writeu,1,output(i,*,*)  
close,1  
output = reform(output,3600,1800,100,/overwrite) ;reuse same memory  
openr,1,'temp'  
readu,1,output  
close,1
```

Assumming output fits in memory, this should not be too bad. If you do not have enough memory, you will get alot of swapping during the write.

Don Lindler

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