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Subject: Re: Cannot allocate memory!

Posted by [Craig Markwardt](#) on Mon, 16 Jan 2006 20:26:00 GMT

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"Sheldon" <shejo284@gmail.com> writes:

> Hi everyone,  
>  
> I am working with very large arrays of varying quantities, i.e.,  
> sometimes I have 89 arrays and other times I have 200 arrays. Now I  
> would like to average these arrays and reduce them to one array.  
> I use the MAKE\_ARRAY() function but IDL screams that it cannot allocate  
> the memory.  
> Now these arrays are quite large (1215,1215) and I only need to hold  
> them within a function and then they are averaged using MEAN().  
> Is there away to do this so that IDL can allocate the memory?  
> IDL complains about this:  
> tmp = make\_array([119,1215,1215], /float). I was thinking about  
> changing to /integer but I think is not such a good fix.

If all you are doing is straight averaging, then you can average each  
1215x1215 slice individually using a FOR loop, and then average those  
averages. That allows you to keep only one image in memory at a time.

Good luck,  
Craig

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