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Subject: Re: IDL memory limitation?

Posted by [Karl Schultz](#) on Thu, 15 Sep 2005 22:12:44 GMT

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On Thu, 15 Sep 2005 15:54:52 -0400, IDLmastertobe wrote:

> Thank you for answering my question. What I am confused now is that my  
> file size is only 40-50MB instead of the 2-3GB mentioned. Why would I  
> encounter memory problem? Is that related to I have multiple of these  
> 40-50 MB files in my directory? I thought IDL is Direct Access and only  
> load file when it is called. Thanks for your help.

It *can* be a pretty long path from the raw data to a visualization. In other words, a number of operations are often applied to incoming data to get it into the final visualization form. Perhaps you can tell us more about what you are doing to the data to visualize it.

You said it was "3D" data. So, for example, you might be reading in the data as a volume and then computing an isosurface. Depending on the distribution of samples in the volume and the isovalue, you might end up generating polygonal meshes containing many millions of triangles.

Karl

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