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Subject: Re: error message:unable to allocate memory  
Posted by [David Fanning](#) on Tue, 21 Aug 2007 13:47:40 GMT  
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incognito.me writes:

- > I'm trying to solve a linear equation system of the type  $Ax=b$  with IDL
- > by using the procedure LA\_SVD or SVDC. When A is a small array the
- > result is always zero. What doesn't really make sense. When I attempt to
- > use big arrays (512x512) for A, I get the following error message:
- > Unable to allocate memory: to make array.
- > I tried to use the TEMPORARY function, but it didn't help. Can someone
- > give me an advice.

More RAM and/or bigger hard drive. (See SPAM for details.) :-)

Cheers,

David

P.S. You might also try setting more of your current hard drive (assuming you have some space on it) aside for virtual memory.

--

David Fanning, Ph.D.  
Fanning Software Consulting, Inc.  
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>  
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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Subject: Re: error message:unable to allocate memory  
Posted by [James Kuyper](#) on Tue, 21 Aug 2007 17:19:19 GMT  
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incognito.me wrote:

- > Hi everyone,
- > I'm trying to solve a linear equation system of the type  $Ax=b$  with IDL
- > by using the procedure LA\_SVD or SVDC. When A is a small array the
- > result is always zero. What doesn't really make sense.

You're right, that doesn't make sense. That is not the normal result when you use those routines. It may be that there's some systematic problem with the particular linear equations you're working with. Could you give us the details of an example involving a small array where the result is 0?

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Subject: Re: error message:unable to allocate memory  
Posted by [airy.jiang](#) on Wed, 22 Aug 2007 04:06:48 GMT  
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On 8 22 , 1 19 , kuyper <kuy...@wizard.net> wrote:

> incognito.me wrote:

>> Hi everyone,

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>> by using the procedure LA\_SVD or SVDC. When A is a small array the

>> result is always zero. What doesn't really make sense.

>

> You're right, that doesn't make sense. That is not the normal result

> when you use those routines. It may be that there's some systematic

> problem with the particular linear equations you're working with.

> Could you give us the details of an example involving a small array

> where the result is 0?

I think there are 2 possibilities. First, that's what kuyper says, "that is not the normal result when you use those routines". Second, that's maybe it indeed made a big array so that the system send the error message. About second possibility, I suggest you to see this page: [http://www.dfanning.com/fileio\\_tips/lgfiles.html](http://www.dfanning.com/fileio_tips/lgfiles.html).  
Cheers!

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