

Re: Problems with CLAPACK SVD routines on OS X

Source: <http://sci.tech-archive.net/Archive/sci.math.num-analysis/2007-08/msg00062.html>

- *From:* mecej4 <mecej4@xxxxxxxxxxxxxx>
 - *Date:* Wed, 08 Aug 2007 17:38:37 -0500
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H.S. wrote:

Robert V. wrote:

Hello,

<<--C U T-->>

```
#include <vecLib/vecLib.h>
```

I am not familiar with this header file. What does it do and why do you need it?

So that he does not generate all the error messages below! Obviously, the header file contains needed definitions, in the absence of which compilation will not be successful.

-- mecej4

I wanted to run this code of yours (I have lapack libraries installed on my Linux system) but I do not have a data file that you are trying to read. But I couldn't get the program compiled

```
g++ svd_test.cpp -I/usr/local/include -framework vecLib -o svd
```

... If I try to compile your program, I get (after excluding fstream and sstream headers):

```
$> g++ testsvn.cc ~/lib/lapack_LINUX.a -I~/include/ -o testsvd
testsvn.cc:1:27: error: vecLib/vecLib.h: No such file or directory
testsvn.cc: In function 'int main(int, char**)':
testsvn.cc:27: error: variable 'std::ifstream infile' has initializer
```

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but incomplete type

testsvn.cc:46: error: variable "std::istringstream" has initializer
but incomplete type

testsvn.cc:85: error: variable "std::istringstream" has initializer
but incomplete type

testsvn.cc:91: error: statement cannot resolve address of overloaded
function

testsvn.cc:122: error: "dgesvd" was not declared in this scope

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