
Subject: Re: CLAPACK and IDL

Posted by johnpeterkelly@gmail.com on Mon, 03 Apr 2006 14:43:45 GMT

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Figured it out:

I had compiled the CLAPACK routines without the -m32 option, meaning the *.a libraries were 64 bit. I have been using the -m32 with all my IDL make_dll calls to maintain compatibility with some older machines we have. So, when I tried to compile the IDL-called C routines (32 bit), they were trying to link to the incompatible CLAPACK libraries (64 bit). They would compile but have a runtime error. I figured this out by using /show_all_output in make_dll, which show several error messages that I wasn't seeing:

```
/usr/bin/ld: warning: i386:x86-64 architecture of input file  
`lapack_LINUX.a(zheev.o)' is incompatible with i386 output
```

```
.  
.  
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```

Hopefully this will help anyone else who runs into this problem.

--John
