

## Re: Who uses clapack?

**Source:** <http://sci.tech-archive.net/Archive/sci.math.num-analysis/2004-12/0304.html>

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Victor Eijkhout wrote:

- > *The authors of lapack/scalapack are starting to work on a new release of*
- > *these packages. One of the things we want to address is the silliness*
- > *that C users, instead of linking to the binaries of the Fortran version,*
- > *use an automatically translated C version.*
- >
- > *Therefore we'd like to know precisely what the reasons for this are.*
- >
- > *Naively one would say, compile the Fortran version, append an underscore*
- > *(when appropriate) to routine names, and just link those libraries to*
- > *your object files.*
- >
- > *What are the gotchas, and what are the real stumbling blocks here?*
- > *Please spell it out in as much detail as you can muster. This situation*
- > *really needs to improve.*
- >
- > V.

The following are just my opinions based on my experience.

One reason is, the clapack's installation instructions are crystal clear. I mean it is very easy and gives step by step instructions as to what to do.

But on the other hand, lapack gave me hell of a trouble while compiling. Compiling with intel compiler gave some IEEE errors (cant recall them exactly, but if you are interested, they could be found on c.l.f archives) The lapack/lapack95 instructions are cryptic and probably can be understood only by experts. But now I have intel mkl library available for free. So I dont have to compile them myself.

raju