

Who uses clapack?

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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.

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