

# CS 594 Homework #9

(due April 19<sup>th</sup>, 2006)

## Usage and Appreciation of NetSolve/GridSolve

[GridSolve](#) allows remote invocation of software routines through C, Fortran and Matlab.

In this assignment, you will upload one of the routines from the BLAS from Netlib into a GridSolve server and use a C, Fortran and Matlab client to remotely invoke the routine.

You can download and install GridSolve and some of the BLAS from their respective web sites. I would like you to use the standard version of GridSolve (version 0.14), see <http://icl.cs.utk.edu/gridsolve/>

The BLAS collection can be found at: <http://www.netlib.org/blas/> for example <http://www.netlib.org/blas/dgemm.f> (you will probably need the routine LSAME as well).

As demonstration, you should show your codes of C or Fortran programs that use GridSolve to remotely invoke your BLAS' routine and a test that shows it working correctly. [Thara Angskun](#) will also be testing your server codes by executing them.

If you encounter problems with GridSolve contact Keith Seymour; [seymour@cs.utk.edu](mailto:seymour@cs.utk.edu).

	Routine name	GridSolve server should be installed on this machine
Thara Angskun	DSWAP	Torc2
Kristen Bains	DSYMM	Torc3
Nick Buchanan	DSYRK	Torc4
Peng Du	DSYR2K	Torc5
Edgar A Duenez-Guzman	DTRMM	Torc6
Markus Glatte	DTRSM	Torc7
Mitchel Horton	DSCAL	Torc8
Zuopan Li	DSYMV	Torc9
Colin Mollenhour	DTRMV	Boba311
Michael Orsega	DTRSV	Boba312
Jelena Pjesivac-Grbovic	DGER	Boba321
Gary Rogers Jr	DSYR	Boba322
Mayank Saraogi	DASUM	Boba331
Christopher Sellers	IDAMAX	Boba332
Qiu Xia	DNRM2	Boba341

