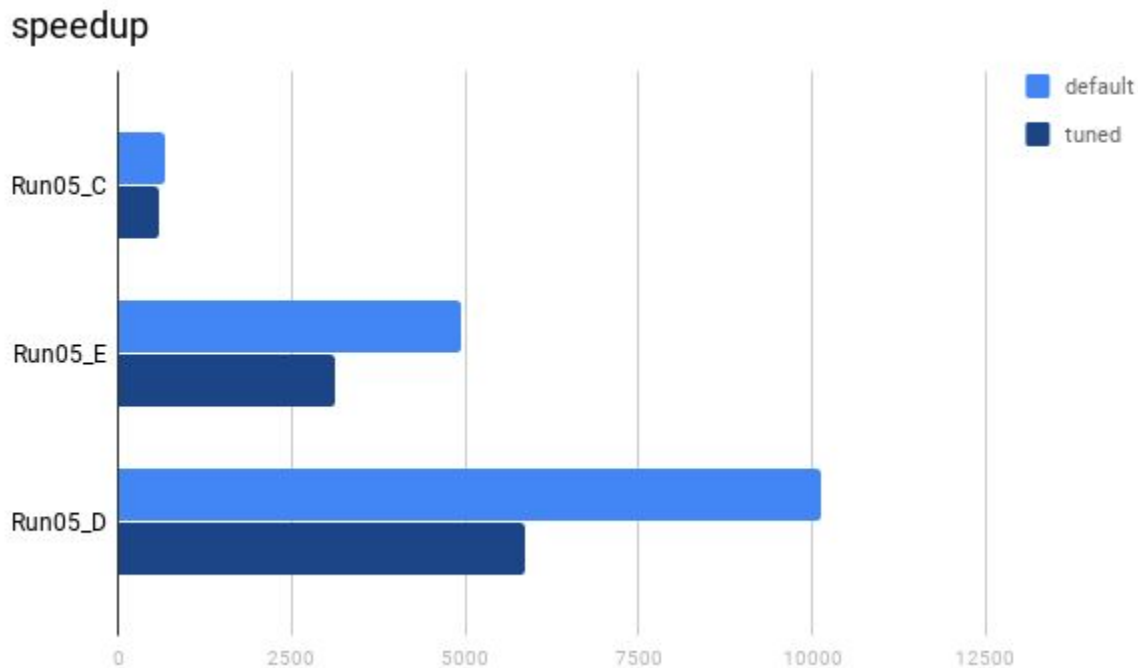


M3DC1 Solver On CORI KNL

restart , process grid, permutation tune → speedup



# Solvers options:

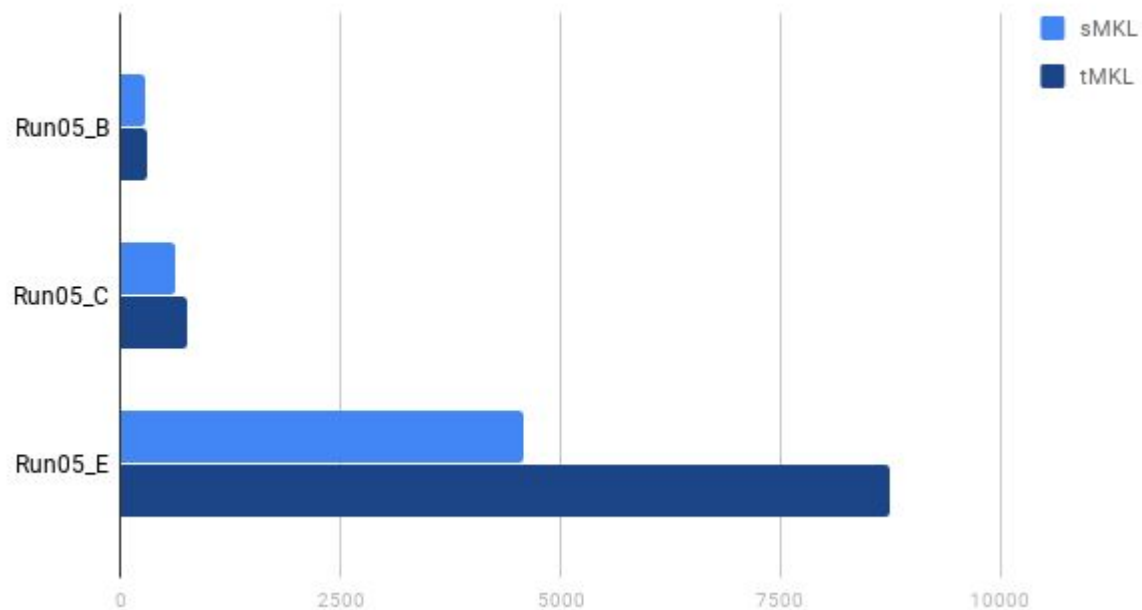
Petsc-3.8.3 + SLU-5.1.0

Petsc-3.9.0 + SLU-5.3.0

Petsc-3.9.0 + SLU-5.3.0-trisolve : threaded triangular solve

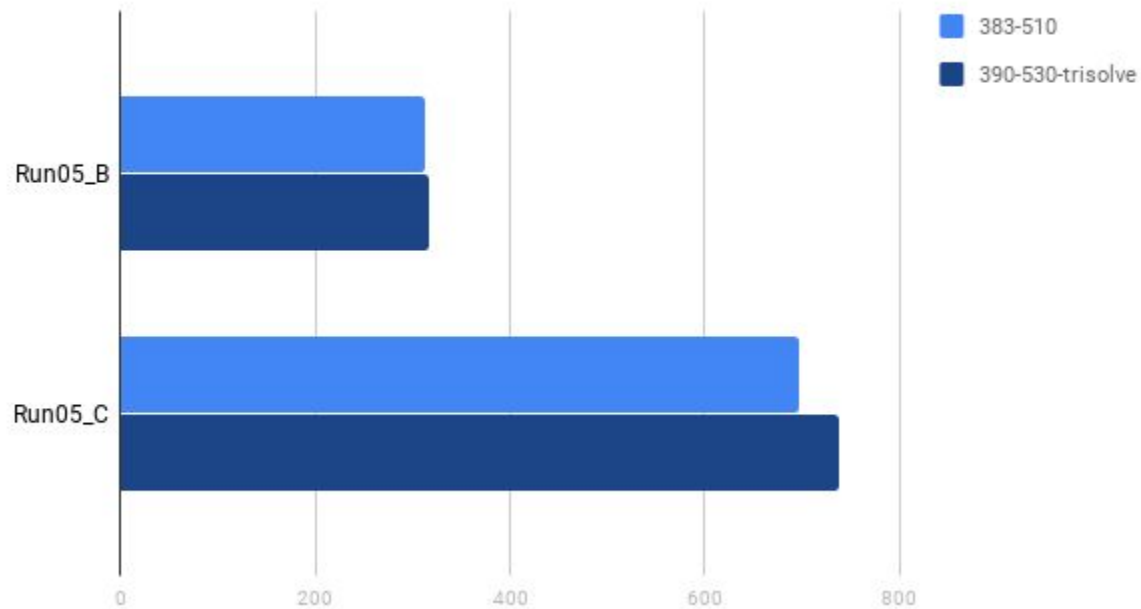
# sMKL vs tMKL

Sequential MKL vs Threaded MKL



# Petsc-3.8.3 + SLU-5.1.0 vs Petsc-3.9.0 + SLU-5.3.0-trisolve

383-510 vs 390-530-trisolve



# To Superlu\_dist

Provide a tested build of threaded triangular solve.