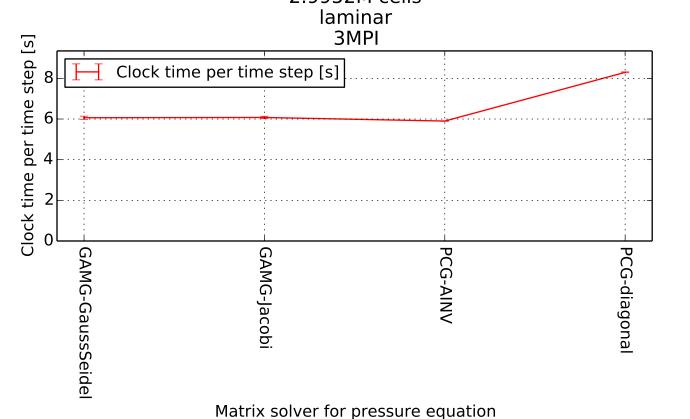
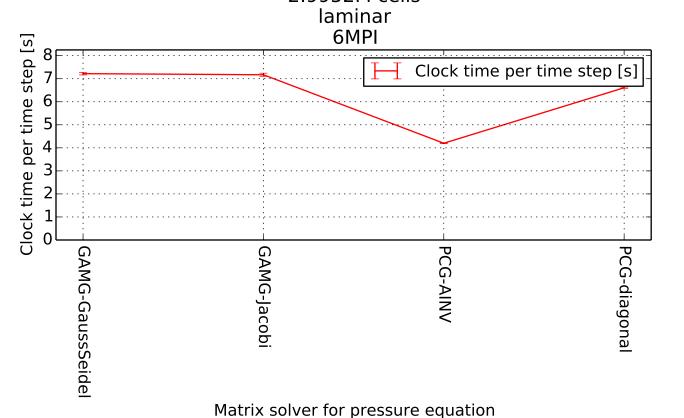
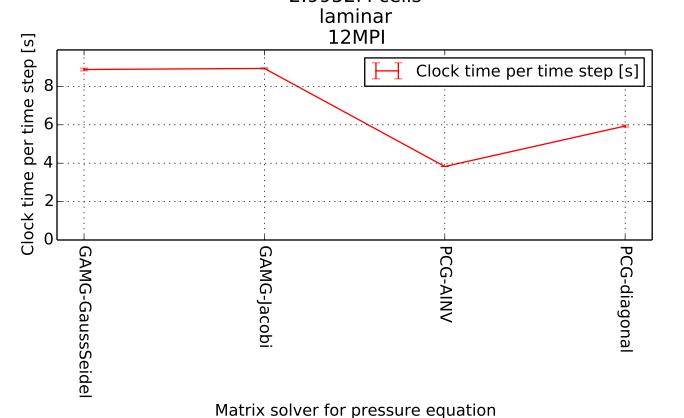
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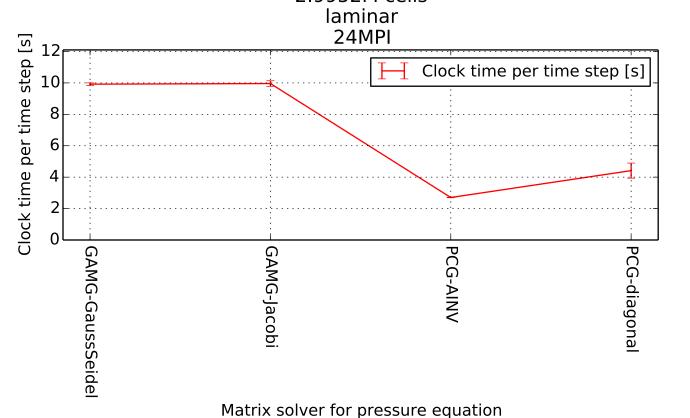
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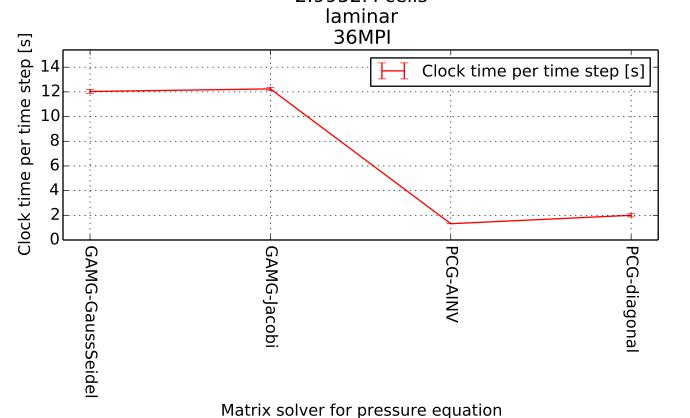
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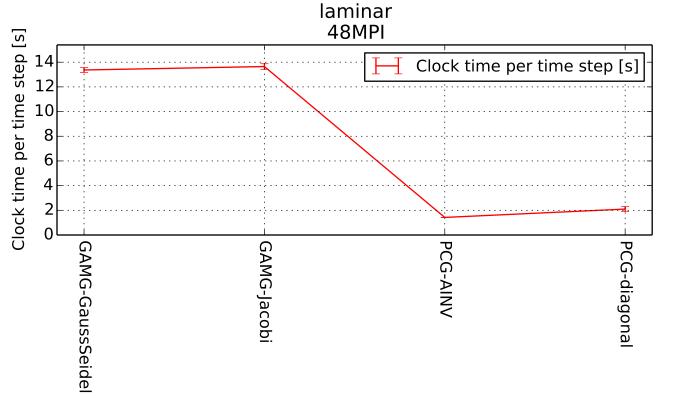
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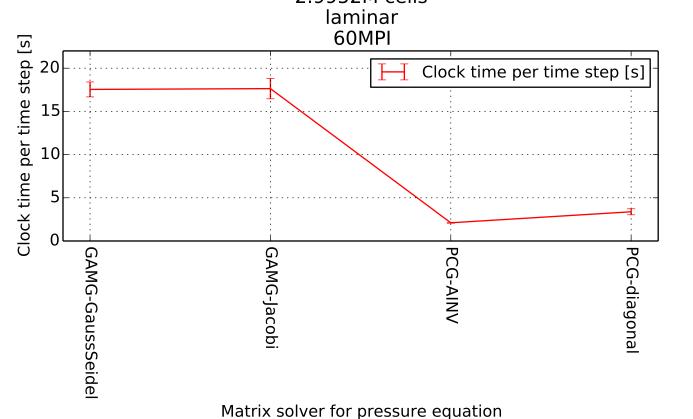


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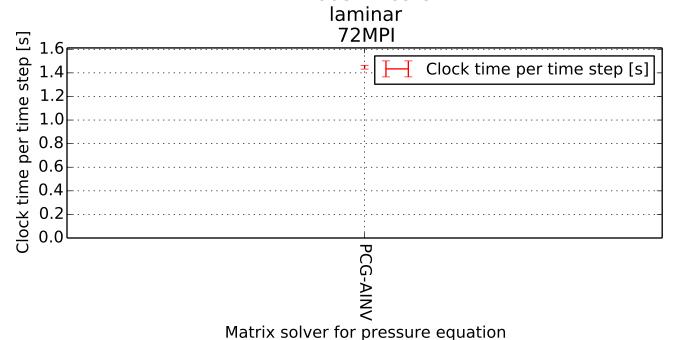


Matrix solver for pressure equation

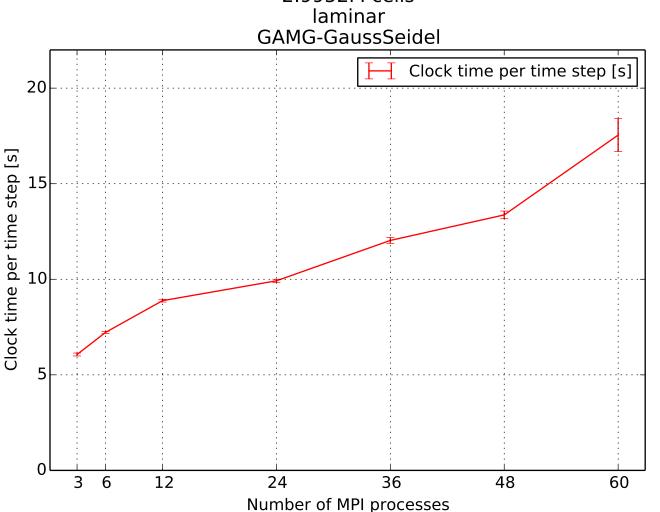
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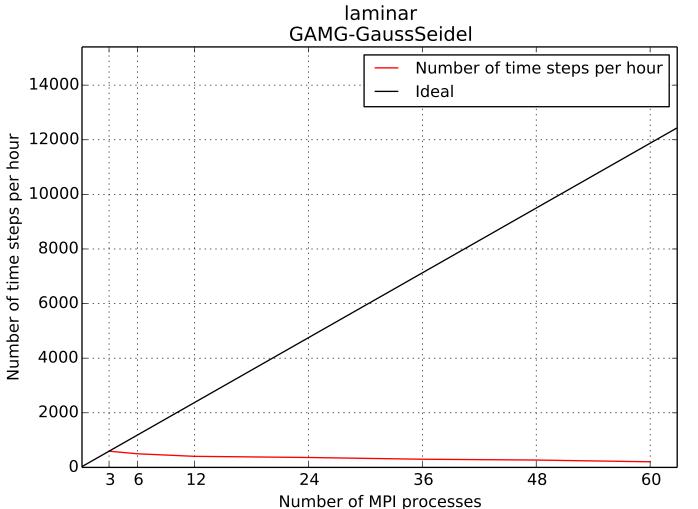
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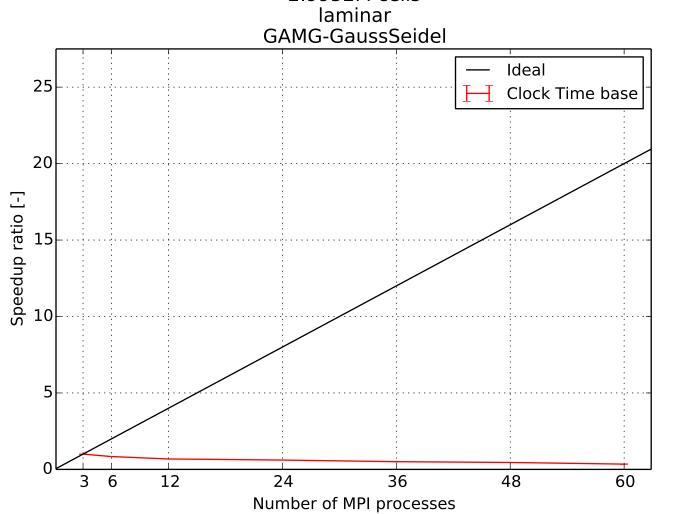
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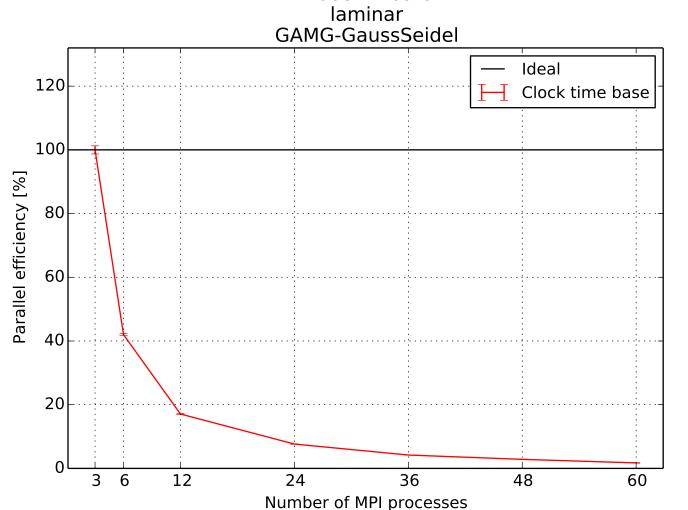
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TSUBAME_G-RCdev-cuda_6.5-openmpi_1.8.4-gpus_3-n_00008-No1 2.9952M cells



TSUBAME_G-RCdev-cuda_6.5-openmpi_1.8.4-gpus_3-n_00008-No1 2.9952M cells laminar **GAMG-Jacobi** Clock time per time step [s] 20 15 10 5 12 24 36 48 6 60

Number of MPI processes

Clock time per time step [s]

TSUBAME_G-RCdev-cuda_6.5-openmpi_1.8.4-gpus_3-n_00008-No1 2.9952M cells laminar GAMG-Jacobi Number of time steps per hour 14000 Ideal 12000 10000 8000 6000 4000 2000 12 24 36 48 60 Number of MPI processes

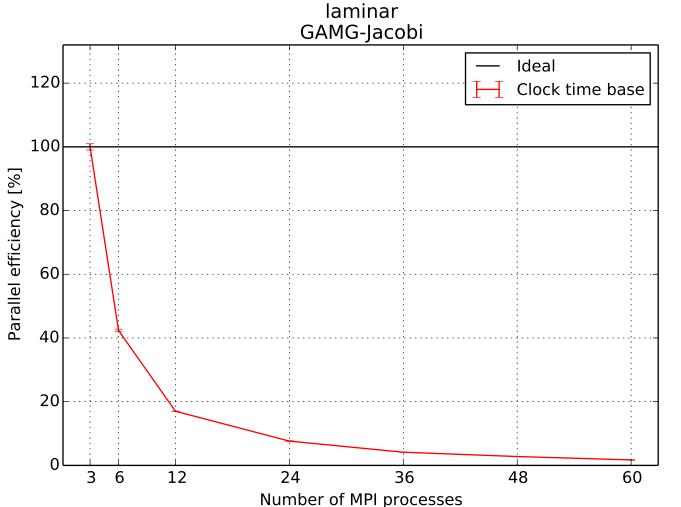
Number of time steps per hour

TSUBAME_G-RCdev-cuda_6.5-openmpi_1.8.4-gpus_3-n_00008-No1 2 9952M cells laminar GAMG-Jacobi Ideal 25 Clock Time base 20 15 10 5 12 24 36 48 60

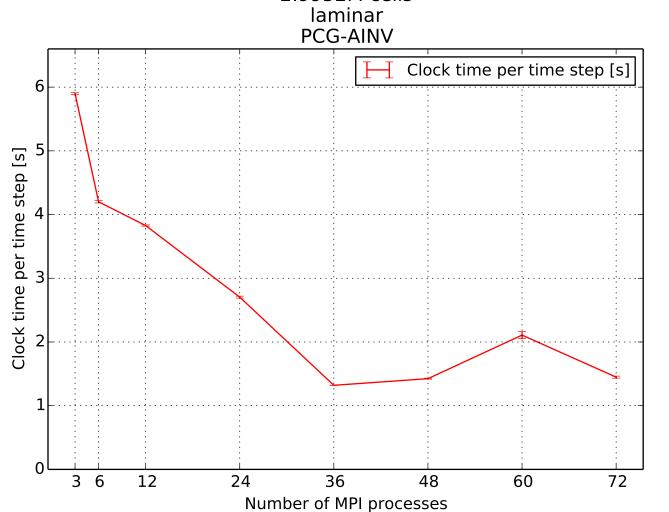
Number of MPI processes

Speedup ratio [-]

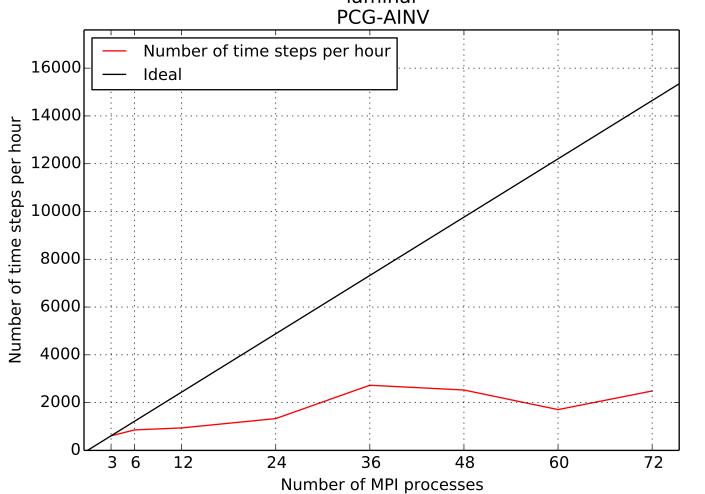
TSUBAME_G-RCdev-cuda_6.5-openmpi_1.8.4-gpus_3-n_00008-No1 2.9952M cells



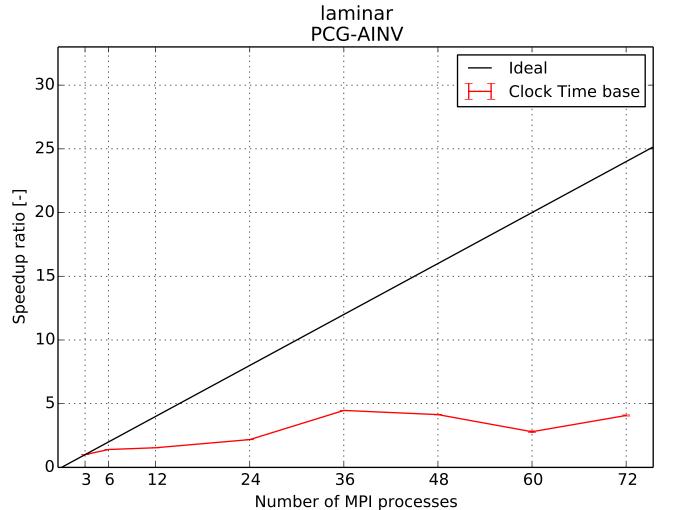
TSUBAME_G-RCdev-cuda_6.5-openmpi_1.8.4-gpus_3-n_00008-No1 2.9952M cells



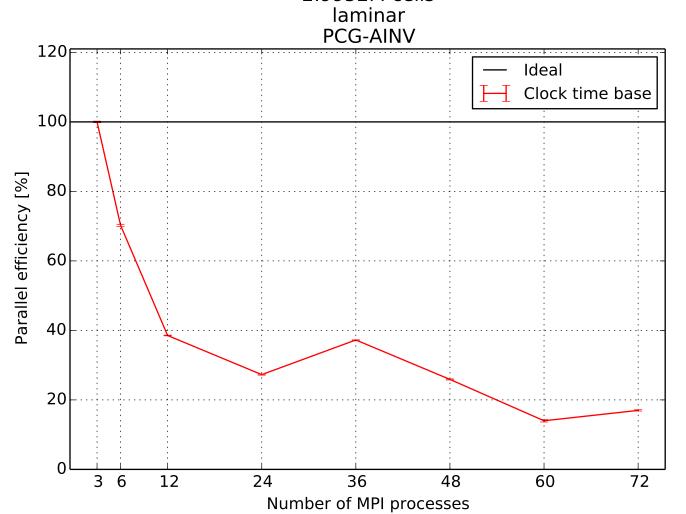
TSUBAME_G-RCdev-cuda_6.5-openmpi_1.8.4-gpus_3-n_00008-No1 2.9952M cells laminar



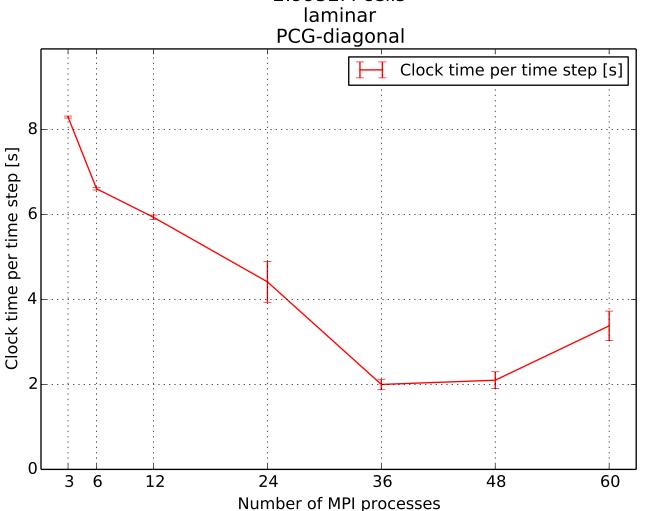
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TSUBAME_G-RCdev-cuda_6.5-openmpi_1.8.4-gpus_3-n_00008-No1 2.9952M cells



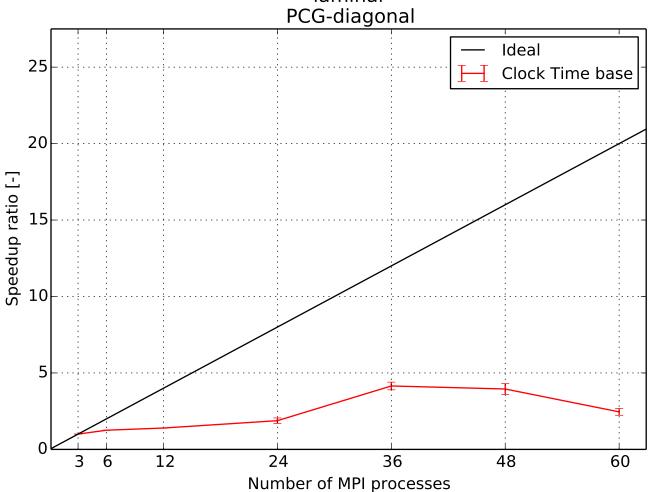
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TSUBAME_G-RCdev-cuda_6.5-openmpi_1.8.4-gpus_3-n_00008-No1 2.9952M cells laminar PCG-diagonal Number of time steps per hour 10000 Ideal 8000 6000 4000 2000 12 24 36 6 48 60 Number of MPI processes

Number of time steps per hour

TSUBAME_G-RCdev-cuda_6.5-openmpi_1.8.4-gpus_3-n_00008-No1
2.9952M cells
laminar



TSUBAME_G-RCdev-cuda_6.5-openmpi_1.8.4-gpus_3-n_00008-No1 2.9952M cells

