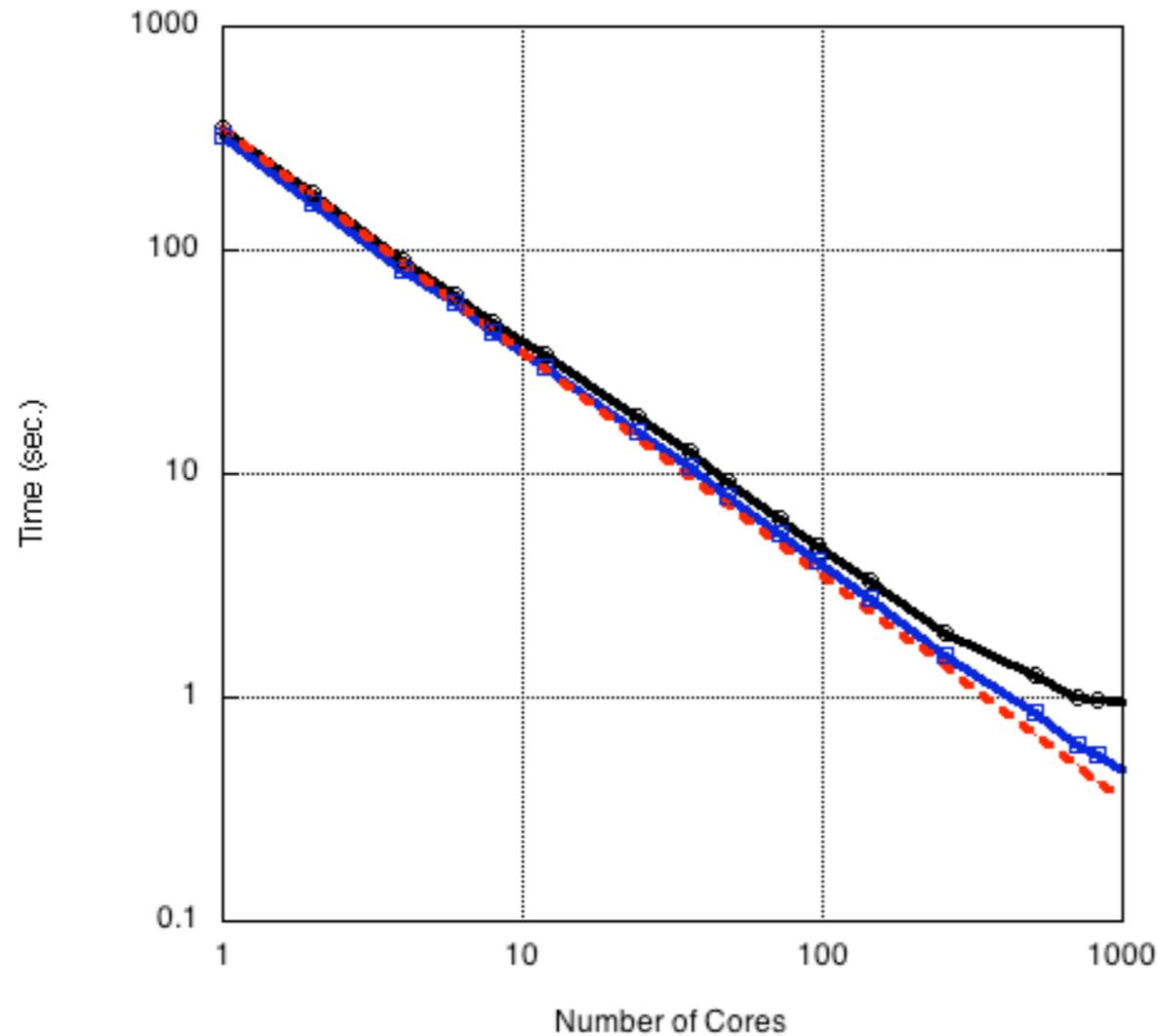


3D MPI Electrostatic
 128x128x128 grid
 56,623,104 particles
 100 steps



Performance as a function of the number of cores. Dashed red line is ideal scaling, blue shows particle time, black shows total time. Degradation of total time is due to the all to all transpose in the FFT, which for large number of cores is dominated by message latency. Particle time continues to scale well.