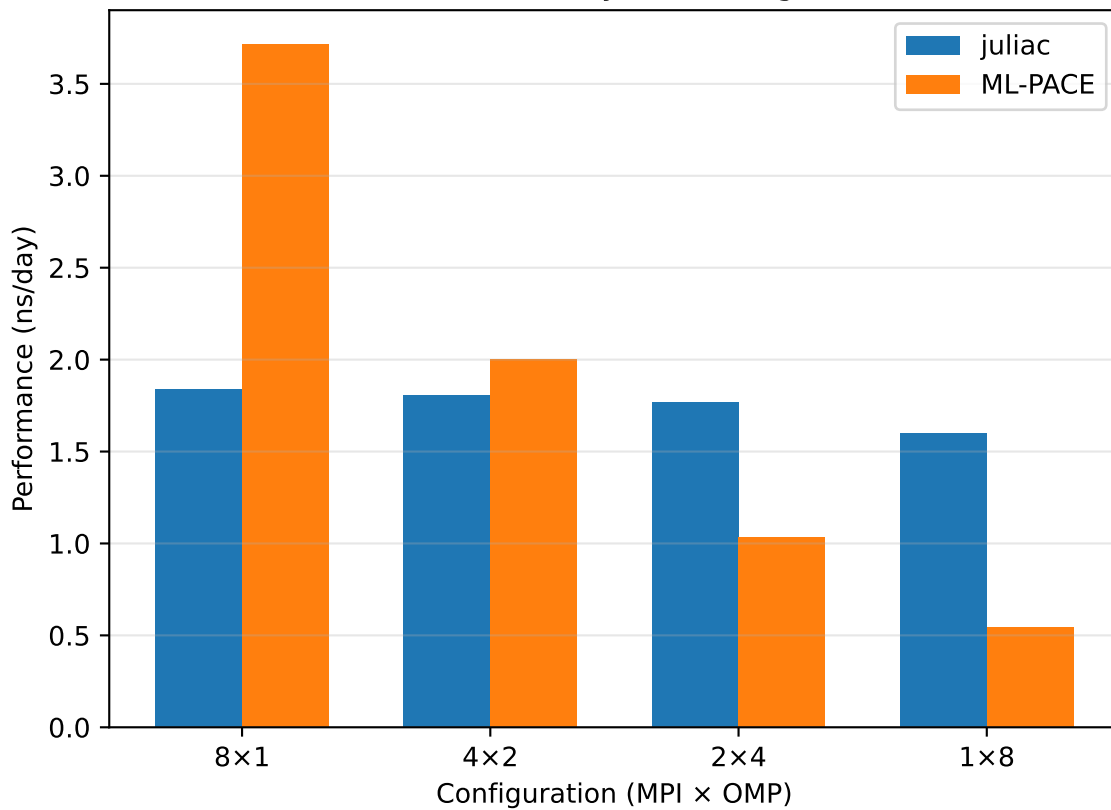


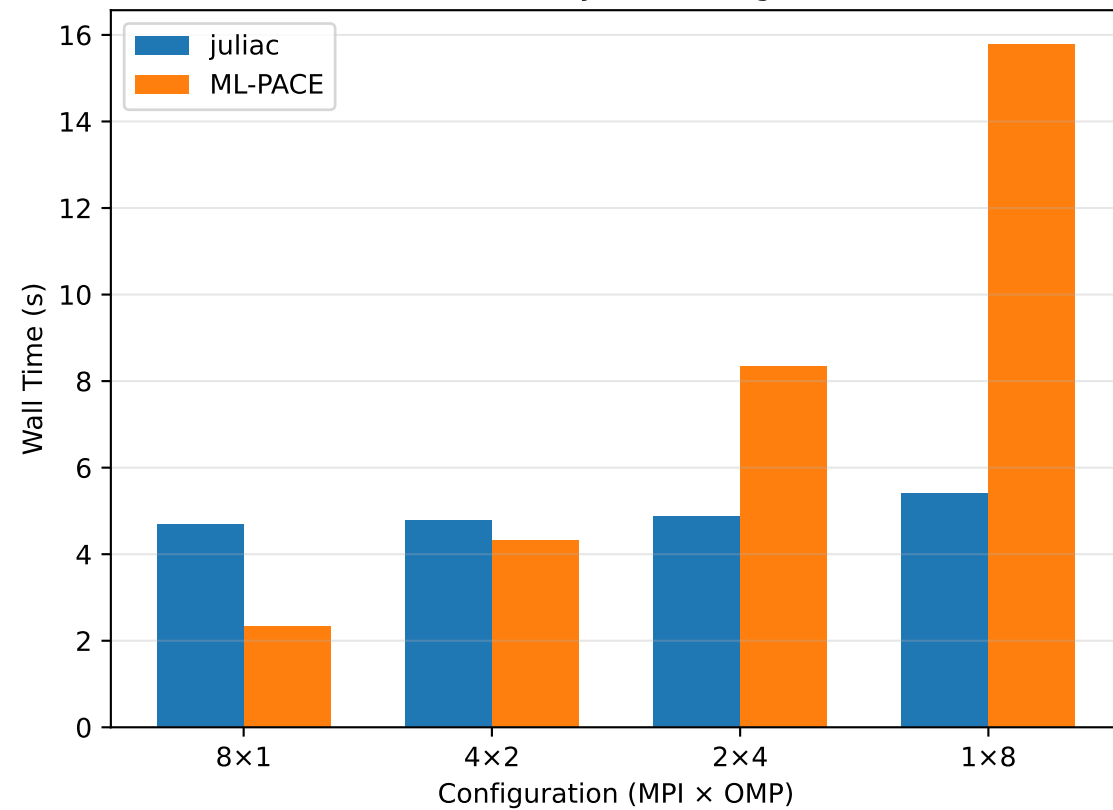
Hybrid MPI+OpenMP Scaling: juliac vs ML-PACE

TiAl B2 10×10×10 (2000 atoms), 8 cores total

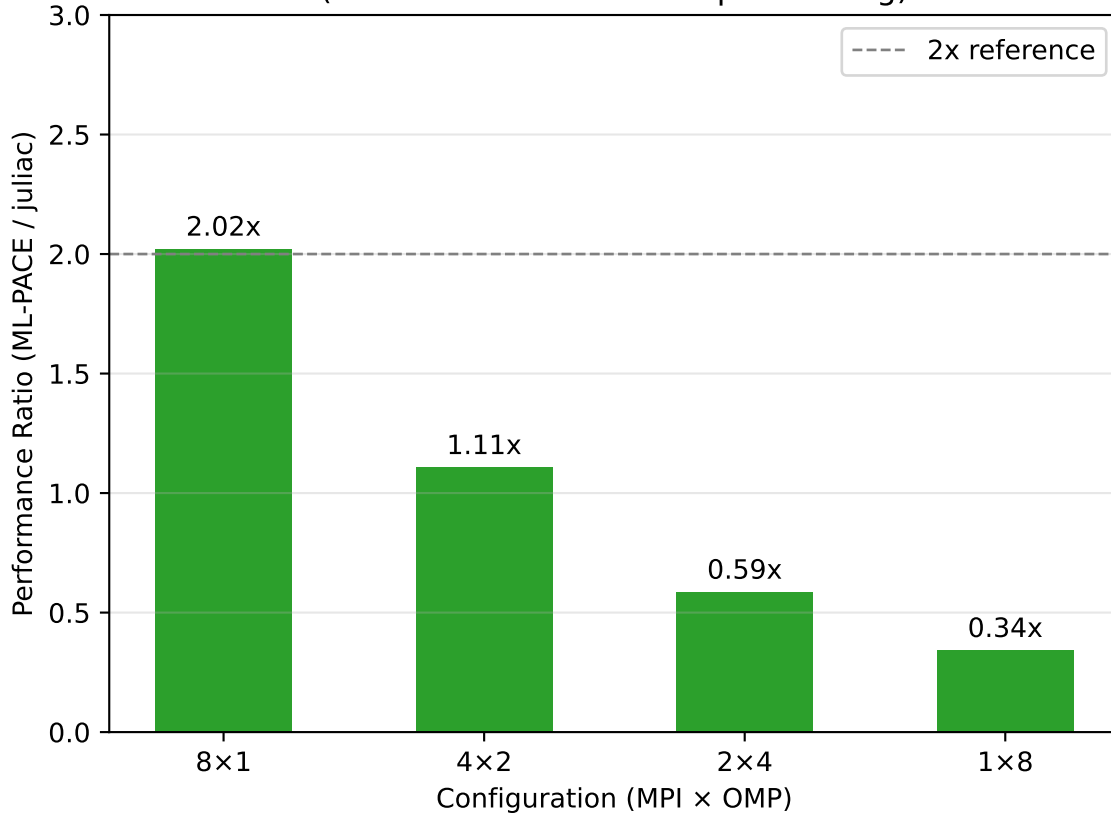
Performance vs Hybrid Configuration



Wall Time vs Hybrid Configuration



Performance Ratio vs Hybrid Configuration
(constant $\approx 2x$ means equal scaling)



Relative Performance vs Pure MPI Baseline

