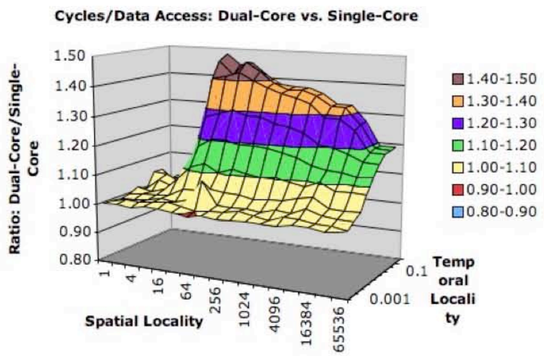
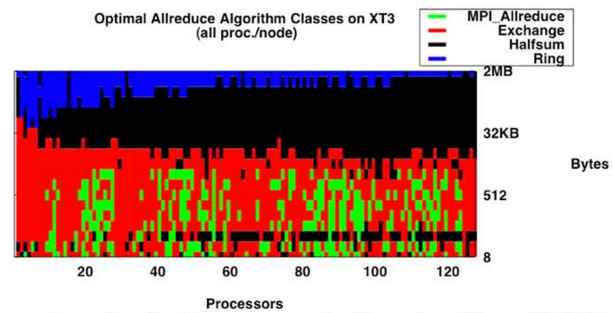
Performance Evaluation and Analysis Consortium End Station

Recent Results

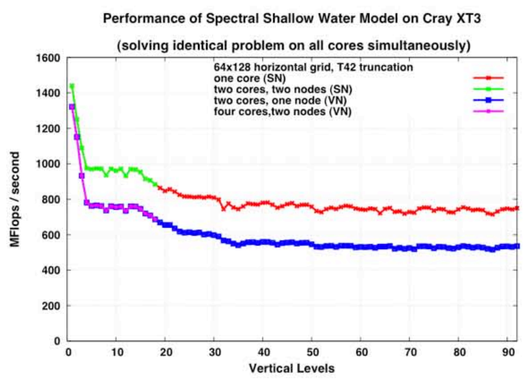
Subsystem Evaluation



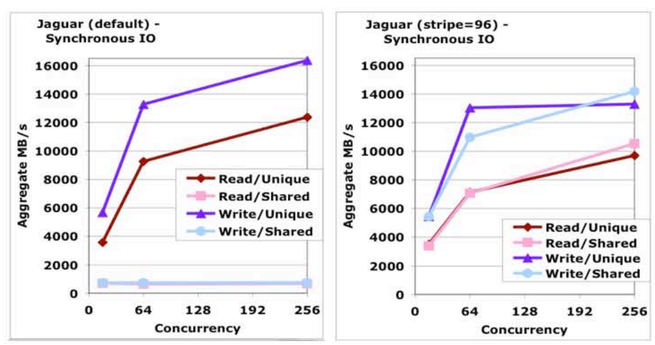
Dual vs. single core Opteron performance evaluation using APEX-MAP (LBNL)



Evaluation of collective communication algorithms (ORNL)

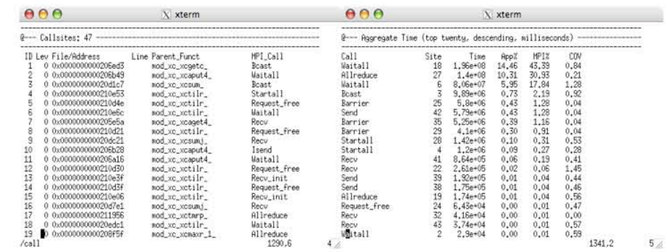


Practical impact of memory contention (ORNL)



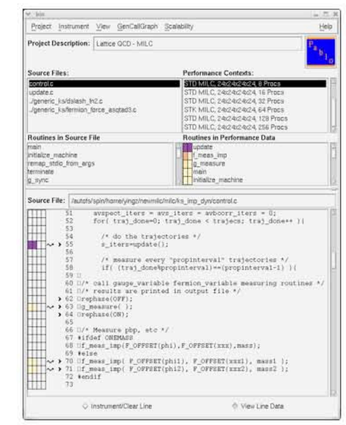
I/O performance characterization of XT3 (LBNL)

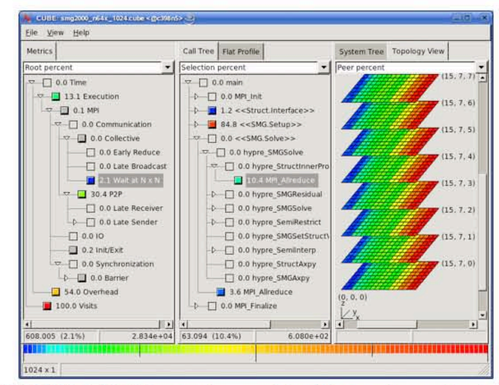
Performance Tool Development



mpiP callsite profiling (LLNL/ORNL)

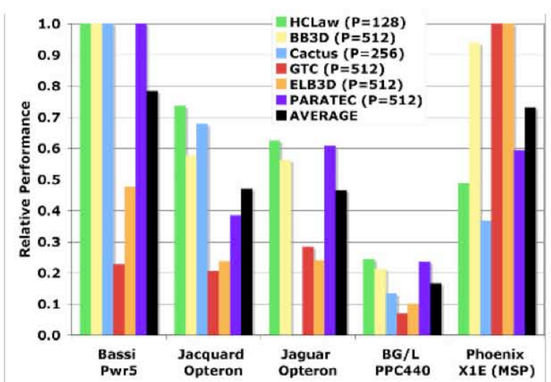
SvPablo source code-correlated performance analysis (UNC)



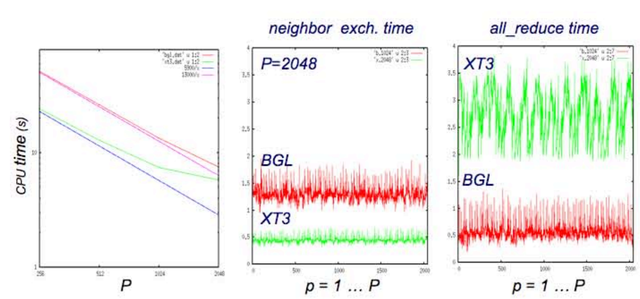


TAU/KOJAK trace-based bottleneck analysis (FZ-Jülich, UOregon, UTenn)

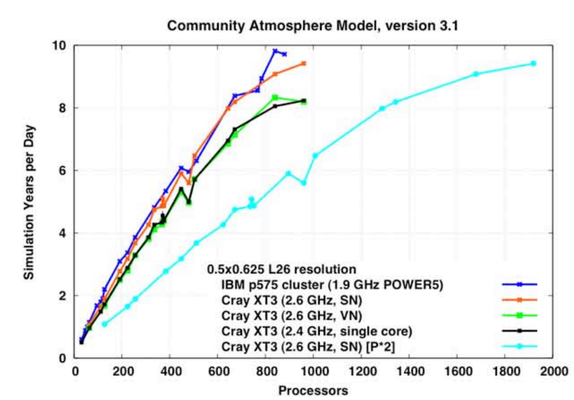
Application Benchmarking



Interplatform performance comparisons (LBNL)



Nek5000 CFD code scaling behavior and analysis (ANL)



XT3 dual-core performance evaluation (ORNL)