

Performance Analysis and Comparison of MPI, OpenMP and Hybrid NPB – MZ

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REU Summer 2008
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Weekly Report (June 27 – July 4)

Main Tasks:

- Developing the Scalability Analysis:
 1. Got out of allocation hours on DataStar p655.
 2. Continue editing the scalability analysis document.
 3. Almost finished collecting performance results for MPI and OpenMP.
 4. Started noticing that MPI performance results are better than OpenMP results.

Main Goals for future:

- Continue with the Scalability Analysis on up to 1024 processors (with increasing number of processors and problem sizes) for Hybrid NPB - MZ.
- Continue editing the scalability analysis document.
- Start the processor partitioning scheme on DataStar p655 and Hydra.

Need Help:

- I need some kind of guidance on how I am going to do this processor partitioning scheme.