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Study of Performance Variability on Dragonfly Systems

Objectives

- Explore the joint effect of job placement, routing, and application characteristics
- Improving the performance and scalability of a flit-level network simulator

Impact

- Insights for efficiently utilizing Dragonfly systems

Accomplishments

- An online workload simulation framework that offers scalability and lower memory overheads
- Localizing communication can help reduce application performance variability

