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Plasma Meets Portability

Objectives

- Develop new tools to capture performance, portability, and productivity of HPC applications
- Evaluate how well HPC applications utilize available resources
- Compare the efficiencies of different programming models

Accomplishments

- Ported production code to new programming model
- Compared performance portability of the two versions
- Made a logging tool to capture productivity data
- Applied logging tool throughout port

Impact

- Showed the usefulness of performance portability metric with real code
- Working example of productivity data collection

