

Performance Analysis and Tuning for GPUs

Tutorial presented at the Teragrid Conference

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Agenda

- ▶ Overview
- ▶ Review: GPU Architectures, CUDA, and Trends – Hyesoon [GT]
- ▶ Analysis and Tuning Case Study – Rich [GT]
- ▶ Performance Analysis Models and Tools – Hyesoon [GT]
- ▶ Full Application Case Study: NEMO 3D – Brandon [Purdue / UT-NICS]