**GPI – SUPPORT FOR GPUs**

- GPI2: Programming interface to create a partitioned heterogeneous global address space
- Global memory areas can be located in host memory or in GPU memory
- Uses GPUDirect RDMA support from Mellanox and NVIDIA
- Direct remote read/write of GPU remote memory
- Minimal overhead for transferring data between GPUs
- Low latency for small data transfers
- Weak (point to point synchronization) for GPU memory segments

**Micro-Benchmarks**

- Himeno Benchmark, Strong scaling, 256 x 256 x 512

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