DEPLOYMENT

Nor-Tech
HPC Clusters™

nVidia-based Fermi/CUDA Cluster for LIGO researchers at SU boasts 88,000 GPU cores

Nor-Tech recently developed a supercomputer to help power the search for gravitational waves from distant objects throughout the universe. As a computing resource for scientists involved with the Laser Interferometer Gravitational-Wave Observatory (LIGO), the cluster utilizes over 88,000 GPU cores and requires 100,000 watts of power.

Physicists from Syracuse University are playing a leading role in the expansion of the LIGO project. Advanced upgrades to the LIGO detectors will enable scientists to see at least a thousand times more of the universe than before. Nor-Tech's nVidia-based Fermi/CUDA GPU Cluster will provide vital technologies for analyzing the data.

Nor-Tech knows GPU Clusters

Nor-Tech has extensive experience developing and deploying GPU Clusters, and worked with the ORNL Future Technologies Group to improve their benchmarking software SHOC for GPU's. SHOC is a collection of benchmark programs that test performance and stability of systems using computing devices with non-traditional architectures.

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