

GPU Computing Services

Where Science Meets High-Performance Computing

Tech-X has the deep knowledge of hardware, algorithms, and software tools, as well as the understanding of scientific questions addressed by simulations, to take advantage of modern, massively parallel architectures for accelerating your scientific computing applications.

Tech-X consulting scientists work with clients to migrate software and simulations to hardware-accelerated architectures using technologies like CUDA, OpenCL, and MPI. Our services include consulting, training, and custom software development for GPU and FPGA, as well as more traditional parallel architectures.



MIGRATE SCIENTIFIC SOLUTIONS TO HARDWARE ACCELERATED ARCHITECTURES

Tech-X offers a comprehensive suite of products and services for high-performance computing with hardware accelerators. This suite includes the product GPULib, which enables users of 4th generation languages to take advantage of GPUs from within these high-productivity languages.

APPLICATION DEVELOPMENT

Tech-X is an NVIDIA partner, offering consulting services to help users develop custom kernels for achieving optimal performance for their applications on GPUs. Our highly trained scientific staff can provide expertise in a broad range of areas related to GPU computing, high-performance computing, numerical methods, and application development.



PROFESSIONAL SERVICES

Tech-X supports your research and application development with our technical expertise, software development skills, and training classes.

Software and Computing

COMPUTATIONAL PHYSICS

plasma physics
nuclear fusion
accelerator physics
electromagnetic modeling

HIGH-PERFORMANCE COMPUTING

distributed and shared memory architectures
petascale supercomputing

FOURTH GENERATION LANGUAGES

IDL



Domain Expertise

DATA ANALYSIS

IMAGE PROCESSING

NUMERICAL ANALYSIS

DISTRIBUTED MIDDLEWARE

FINANCIAL ENGINEERING & MODELING

ABOUT TECH-X CORPORATION

Tech-X Corporation is committed to technical excellence and innovation. We are dedicated to advances in science and engineering. Our scientists and software engineers address specific research questions and deliver quantifiable results, culminating in specialized skills, advanced technologies, and commercial products that enable large-scale computing solutions and offer a greater understanding of physical processes.



TECH-X WORLDWIDE SALES AND CONSULTING

Contact sales@txcorp.com to discuss your specific GPU computing needs.

REFERENCES

CUDA Web Site: <http://www.nvidia.com/cuda/>

IDL Web Site: <http://www.ittvis.com/idl/>



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GPULib