Example of a LabVIEW VI calling a DLL that executes C++ code on the GPU

*M. Fränzl*

The C++/CUDA code implements a single-precision *A*·*X* + Y operation that runs in parallel on a GPU.

The LabVIEW IV requires CUDA to be installed and a CUDA enabled NVIDIA GPU. The functionality has been verified on my GT 630 GPU.

To compile the CUDA project Visual Studio is recommended.

My old GT 630 only supports CUDA 8 and the Visual Studio integration only works with Visual Studio 2015.