GPU Framework version 14.0

Modern C++17 & GPU Architecture

Thanos Theo

GPU Framework Architecture Key Features

- C++17 ISO standard STL-based framework with multi-platform support (Windows/Linux)

- CUDA 12.0+/NVCC component built-in with multi-platform support (Windows/Linux)

- GoogleTest 1.8+ verification framework with multi-platform support (Windows/Linux)

- Doxygen 1.8+ with LaTeX pdf support in-source documentation creation for scientific equations

- CMake 3.11+ build system automation with multi-platform support & GUI tool (Windows/Linux)

- HG/Mercurial 4.6+ repository with multi-platform support & GUI tool (Windows/Linux)

GPU Framework 14.0 CMake Build System Diagram

GPUFrameworkMain

GPUFrameworkTests: HostUnitTests

GPUFrameworkTests: DeviceUnitTests

UtilsCUDA

Utils