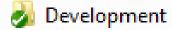
Root dir







Distributions

External

Install

Publis

COPYING.txt

MowTo.txt

License.txt

Development : source code

Install: scripts to generate project environment

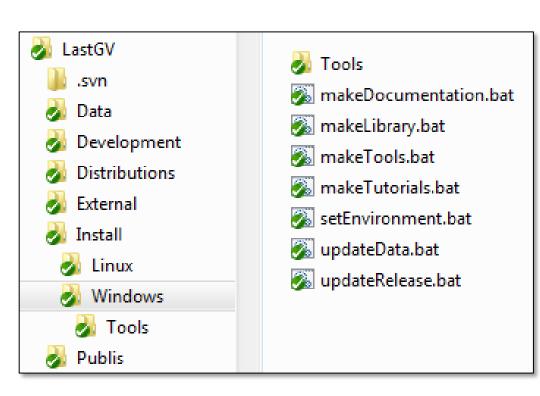
External: extern dependendies/libraries

Data: common data used in tutorials

Distributions : files required to build installers

Publis: to be removed...

Project generation

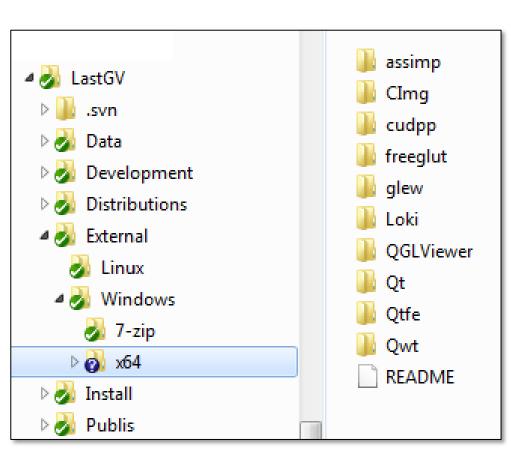


Multi-plateform environment based on CMake

makeXXX: generate project environment for Library, Tutorials and Tools (Visual Studio solutions, Linux makefiles, etc...)

makeDocumentation : Doxygen documentation of the project

Dependencies



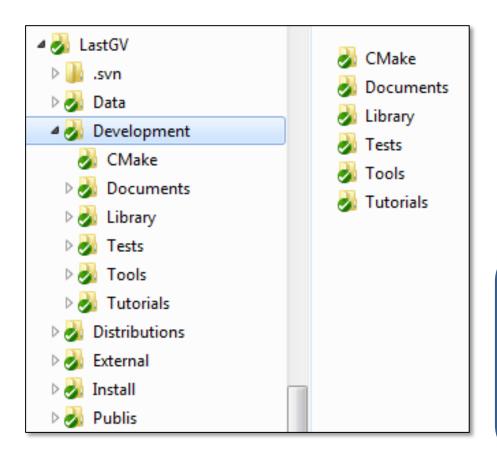
CORE

- CUDA: 5.0
- cudpp (cuda prefix sum, reduction, compaction, etc...)
- glew/freeglut (OpenGL)
- LOKI: C++ template

TUTORIALS / TOOLS specific

- Qt, QGLViewer : 3D window, editors
- Qwt : Qt plots
- Qtfe: transfer functions editor
- Assimp: 3D models loader
- Cimg, ImageMagick: images loader

Development



Library: GigaVoxels library

Tutorials : SDK examples

Tools: viewer, voxelizer, etc...

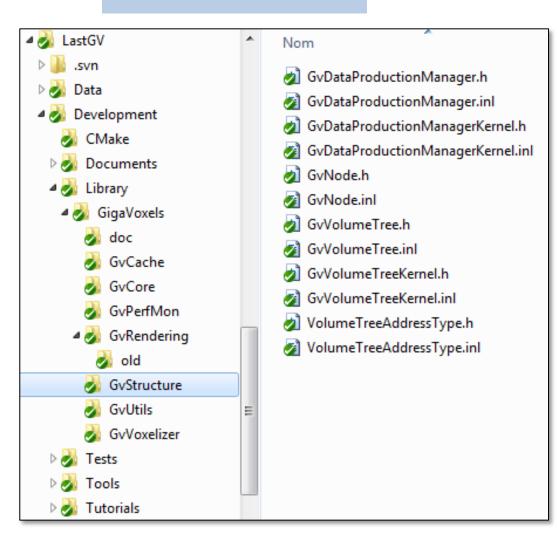
Tests: benchmarks, studies...

Documents: documentation

CMAKE

- all dependency modules used by CMake (to find all required Include and Library directories)
- commun CMake files to compile
 GigaVoxels library, tutorials and tools

Source code: LIBRARY



SHARED LIBRARY (but lots of template...)

- GvCore : commun classes (CUDA features)
- GvStructure: data structure management (octree, N3-tree...)
- GvCache : cache management
- GvRendering : rendering management (GL interop)
- GvUtils : useful base/common classes to ease develoment
- GvVoxelizer : to pre-process meshes
- GvPerfMon : performance monitoring