



DGtal tutorial - part2

DGMM 2022

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Getting started

```
(base) ~/Sources/DGtal/build % FixNonmanifold cmake ..
CMake Deprecation Warning at CMakeLists.txt:5 (cmake_policy):
  The OLD behavior for policy CMP0048 will be removed from a future version
  of CMake.

  The cmake-policies(7) manual explains that the OLD behaviors of all
  policies are deprecated and that a policy should be set to OLD only under
  specific short-term circumstances. Projects should be ported to the NEW
  behavior and not rely on setting a policy to OLD.

-----
-- DGtal Version 1.3.0
-----
-- Source DIR is /Users/davidcoeurjolly/Sources/DGtal
-- Binary/Build DIR is /Users/davidcoeurjolly/Sources/DGtal/build
-- Build type is Release
-- Installation prefix directory is /usr/local
-- Host system is Darwin-22.1.0 with processor arm64
-- Target system is Darwin-22.1.0 with processor arm64
-----
-- Checking if doxygen/dot is installed:
--
-- dot found: /opt/homebrew/bin/dot. Installing doc in /usr/local/share/DGtal
-- Checking path: /Users/davidcoeurjolly/Sources/DGtal
-- configured /Users/davidcoeurjolly/Sources/DGtal/doc/doxy.config.in --> /Users/davidcoeurjolly/Sources/DGtal/build/doxy.config
-- configured /Users/davidcoeurjolly/Sources/DGtal/doc/doxy.config.Board.in --> /Users/davidcoeurjolly/Sources/DGtal/build/doxy.config.Board
-- configured /Users/davidcoeurjolly/Sources/DGtal/doc/doxy.config.dox.in --> /Users/davidcoeurjolly/Sources/DGtal/build/doxy.config.dox
-- Downloading external projects
--   Catch2 (v2.13.7)
--   Google benchmark (v1.6.1)
-- git version: v1.6.1 normalized to 1.6.1
-- Version: 1.6.1
-- Performing Test HAVE_THREAD_SAFETY_ATTRIBUTES -- failed to compile
-- Performing Test HAVE_STD_REGEX -- success
-- Performing Test HAVE_GNU_POSIX_REGEX -- failed to compile
-- Performing Test HAVE_POSIX_REGEX -- success
-- Performing Test HAVE_STEADY_CLOCK -- success
-- Eigen3 (v3.3.7) creating target 'Eigen3::Eigen'
-- Done.
-----
-- DGtal required dependencies:
-----
-- DGtal Library optional configuration:
-- (to change these values, use ccmake, a graphical
-- cmake frontend, or define cmake commandline variables
-- -e.g. '-DWITH_GMP:string=true', cf documentation)
--
--   WITH_OPENMP      false  (OpenMP multithread features)
--   WITH_GMP         false  (Gnu Multiprecision Library)
--   WITH_CGAL        false  (cgal)
--   WITH_PATATE      false  (Patate geometry library)
--   WITH_ITK         false  (Insight Toolkit ITK image wrapper)
--   WITH_CAIRO       false  (CairoGraphics drawing features)
--   WITH_HDF5        false  (HDF5 image i/o)
--   WITH_QGLVIEWER   false  (QGLViewer based 3D Viewer -- Qt5 required)
--   WITH_FFTW3       false  (FFTW3 discrete Fourier transform library)
--
-- Checking the dependencies:
-----
-- Build examples ENABLED
-----
-- Build polyscope examples ENABLED (BUILD_POLYSCOPE_EXAMPLES)
--   polyscope (v1.2.0)
-- Using Cocoa for window creation
Polyscope backend OpenGL3_glfw enabled
Polyscope backend OpenGL_mock enabled
-- Build test files ENABLED
-----
-- Randomized examples/testing
-- All examples or unit-tests will be compiled (cmake variable DGtal_RANDOMIZED_TESTING_THRESHOLD)
-----
-- Generating DGtalConfig files
-- Configuring done
-- Generating done
-- Build files have been written to: /Users/davidcoeurjolly/Sources/DGtal/build
```

```
git clone https://github.com/DGtal-team/DGtal-Tutorials-DGMM2022.git
```

- Few examples (helloWorld, exampleBoard2D, examplePolyscope)
- All practicals (check the README.md for the practical texts)

[<live demo>](#)



Material

- Few examples (`helloWorld`, `exampleBoard2D`, `examplePolyscope`)
- All practicals (check the `README.md` for the practical texts)