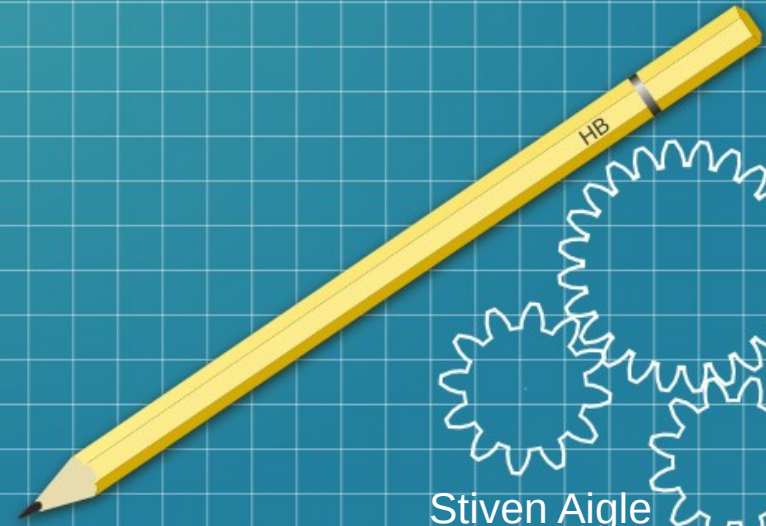
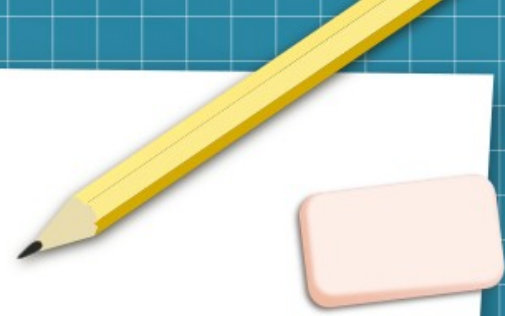


# Compiler, tester et packager ses applications

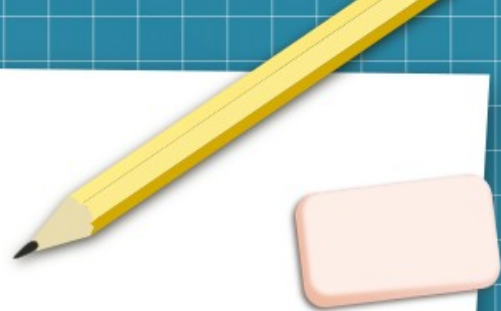


Stiven Aigle

# Introduction



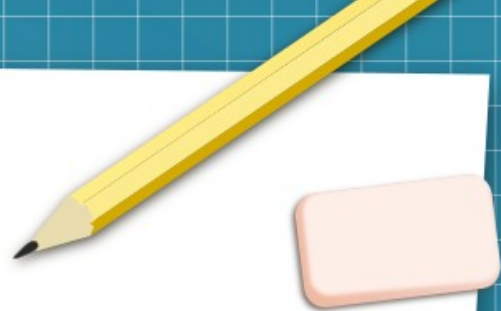
- Compiler → produire un exécutable, une bibliothèque
- Tester → s'assurer que l'application fonctionne correctement
- Packager → Créer un paquet rendant l'application facilement utilisable



- Générateur de « build system »
- Développer par Kitware depuis 2000
- Version actuelle 3.21.2
- « Modern CMake » depuis 3.0
- Multi-plateforme
- Langage supporté : C, C++, C#, CUDA, ...

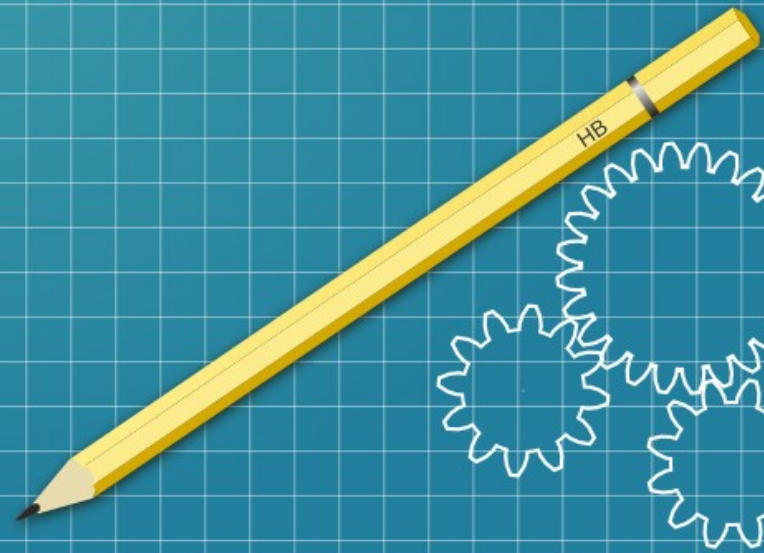
<https://cmake.org/cmake/help/latest/command/project.html#options>



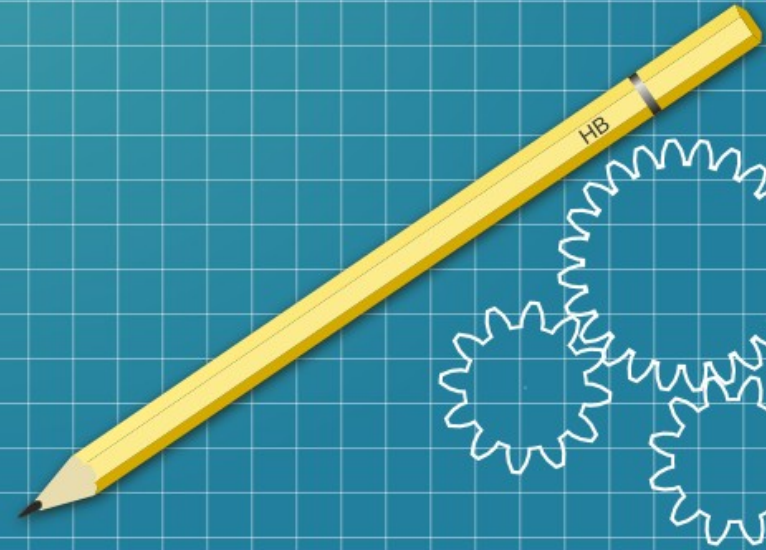




# Compiler via CMake

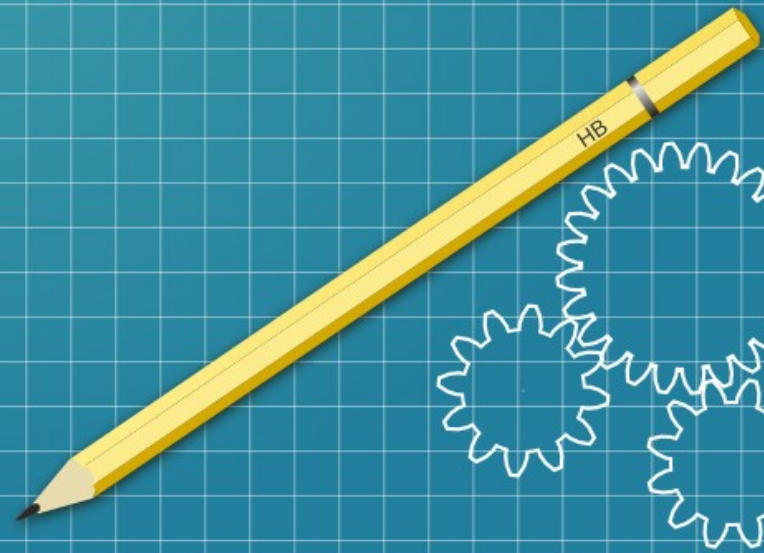


# Tester via CTest

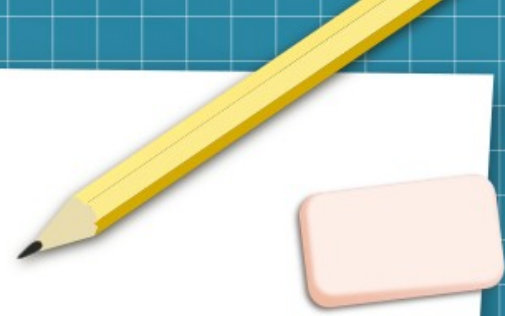




# Packager via CPack



# Sources



- Professional CMake, a practical guide. Craig Scott
- <https://cmake.org/documentation/>
- <https://cliutils.gitlab.io/modern-cmake/>
- <https://pabloariasal.github.io/2018/02/19/its-time-to-do-cmake-right/>
- <https://www.youtube.com/watch?v=y7ndUhdQuU8>
- <https://www.youtube.com/watch?v=y9kSr5enrSk>
- <https://www.youtube.com/watch?v=m0DwB4OvDXk>



QUESTIONS ?

