

EMSoft

Prérequis

Sous Ubuntu 16.04 :

```
sudo apt-get install nvidia-opencl-dev liblapacke-dev libblas-dev gfortran
```

Procedure

Admettons qu'on installe dans /opt. Si dans le home, pas besoin de sudo.

Pour le SDK

```
cd /opt
sudo mkdir EMSoft
sudo chown -R $USER EMSoft
cd EMSoft
git clone https://github.com/marcdegraef/EMsoftSuperbuild.git
git clone https://github.com/marcdegraef/EMsoft.git
mkdir SDK
cd EMsoftSuperbuild
mkdir Release
cd Release
cmake -DEMsoft_SDK=/opt/EMSoft/SDK -DCMAKE_BUILD_TYPE=Release -
DINSTALL_QT5=OFF ../
make -j 8
vim /opt/EMSoft/SDK/superbuild/bcls/Source/bcls/CMakeLists.txt # changer
cmake_minimum_required(VERSION 3.4.0)
make -j 8
```

Pour le soft

```
cd /opt/EMSoft/EMSoft
mkdir build
vim CMakeLists.txt # changer cmake_minimum_required(VERSION 3.4.0)
cd build
cmake -DEMsoft_SDK=/opt/EMSoft/SDK/ -DCMAKE_BUILD_TYPE=Release ..
make -j
```

Finalisation

```
cd Bin
./EMsoftinit
vim ~/.config/EMsoft/EMsoftConfig.json # remplir avec les bons chemins
```

Usage

example:

```
./EMsampleRFZ -t  
cp EMsampleRFZ.template cubic.nml  
# edit cubic.nml to change output file from "undefined" to something else  
./EMsampleRFZ
```

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