

Compilation instructions

1 Requirements

To compile the code, it is required:

- **Qt, Community license, version 5.4.2.** It can be downloaded from the following link:

<http://www.qt.io/download/>

When installing the Qt framework, select at least 'Qt/Qt 5.4/gcc 64-bit' and 'Qt/Tools/Qt Creator 3.4.1' to be installed.

- The external library **QCustomPlot** has been used to plot the sinusoidal function. It can be located in the folder '*InnerspecAssignment/b-dependent_libraries*'. It can also be downloaded from the following link:

<http://www.qcustomplot.com/index.php/download>

2 Compilation steps

- 1 Open the folder '*InnerspecAssignment/a-sources/SinusoidalWaveGenerator*'.
- 2 Select the file '*SinusoidalWaveGenerator.pro*' and open it using Qt Creator.
- 3 Configure the project:
 - 3.1 Select the Qt kit: 'Desktop Qt 5.4.2 GCC 64 bit'.
 - 3.2 Select the Debug and Release folders to store the compilation output.
- 4 Once the project has been loaded, select the desired Build version (Debug or Release) and build it by pressing the corresponding button or the key sequence 'CTRL+B'.
- 5 Wait until the project has been built. The executable file will be found in the previously configured folder (step 3.2).