# Assignment - “Force Curve Display”

### What you’re receiving

One ASCII file containing two-dimensional data of an AFM force curve measurement.

The first column describes the movement of the AFM towards the measurement sample (z movement) whereas the second column contains the measured force that is applied to the AFM measurement tip during the z movement.

### What your code should produce

The expected result is a two-dimensional graph plot of the supplied force curve measurement where the z movement (in meter) shall be mapped on the axis typically called x-axis and the force (in Newton) on the y-axis.

The force data is a bit noisy where it should be more constant. Think of a procedure to overcome that issue and implement it.

### Constraints

Code is written in C++ with QT for the UI part. You have free compiler, library, buildsystem and OS choice. Don’t use a graph plotting library, please.

### Deliverables

Source code and buildsystem definitions as if you would push it to a company’s source code repository.

A description on how to build and run the code.