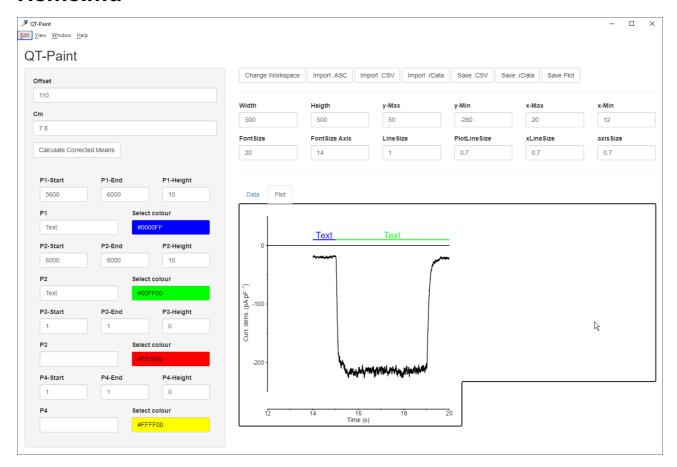# Documentation

Home.md

Installation

Requirements

Hardware

About 750MB of free space.

Software

R 4.2.3 must be installed. Download from CRAN
Java 64 bit version must be installed. Download from Java.com

Installer

Use Inno Setup to create an executable installer from the R project using the *rInno.R* script followed by the Chanalyze.iss_.
Node.js might be needed to succesfully create the installer.

Other

It is recommended to use a local harddrive.
The first startup might take some minutes depending on the used computer

Workflow

1. Import a current time curve through one of the import buttons.
   - The data needs to be comma seperated and have the following columns (Sweep, Time, InwardCurrent, OutwardCurrent, ...). The names can be variable.

2. Calculate offset corrected current density values. Once calculation is done, a plot will be created in the plot tab.

3. Use the input fields on the bottom left to create "pharmaceuticals application lines". The start and end numbers are refering to the sweep, not the time. The height is refering to the current density.

4. Adjust plot parameters

5. Save the plot