Newtonsche Axiom plot application

Python Application enabling Graphical representations of measured Data

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# Abstract

The graphical representation of measuring data generated by scientific experiments usually has strong influence on the analysis process. The detection of correlation and causality between measured data points is often highly simplified if you look at a graphical plot. Pure numeric data is not as useful as a drawn graph to find and understand coherences in your results. The major goal of this project was to build an easy to use and all the same versatile application. This application can be used by experimental groups in order to generate 2-dimensional plots of measured data. It is capable of comparing different measurement series distinguishing them by color. Moreover it is able to draw different representations of data such as dot diagram, linear regression, line graph and an approximated function. Measured data can be imported from a csv-file. Conclusively it provides a fast and straightforward alternative to comparable plotting applications with higher complexity.