

Project 0.1: plotting

Knowing how to create plots of data is important as a picture tells a thousand words.

Due Dates

will not be collected

Description

1. Download the files on the project page. (simple_plot.py, simple_plot2.py, simple_plot3.py, plot_sin.py)
2. Try executing the file simple_plot. Note what happens. Look at the code and try to understand what each line does.
3. Execute the file simple_plot2.py and simple_plot3.py in turn. Again, try to understand what each line of the code does in each file.
4. Open and executed the code plot_sin.py. This should produce a plot containing the sin function.
 - create a new python script from plot_sin.py, which plot $\sin(t)$, $\sin(2t)$ and $\sin(10t)$ all on the same figure.
 - add a title and x and y axis labels.
 - add a legend to the graph. You will have to do some research (use google... search for adding a legend with pyplot)