# Curve Clustering Project Documentation

# Overview

This documentation will explain the logic and file structure of the project. Overall, the input of a project in and matrix where is the number of sample *types* (for instance, each voltage taken in an I(V)) measurement and is the number each sample was taken (for instance, if we have 1000 I(V) curves measured).

We will use the fact that Python is object oriented, there therefore we will have an *object* which will be modified. And *object* in Python can have *attributes* and *methods*. This will be clearer later. An object in python is realized calling a new *class*.

Thus, the first thing we will do is to define our object.