Loader Plotter Documentation

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This is a auto-generated documentation of the Loader-Plotter produced. The main objective of this loader is to grab the Data from ArrayFire format files and a designated folder. With that and the class requirements, it loads the data to *Numpy* arrays so that it can Plot Surface, Plot 3D and Construct Movies.

Requirements:

To run this Loader one need to have installed various modules: * Numpy * ArrayFire * MatPlotLib * ImageIO * DateTime

class Loader.meshPlot (InPath, Plot1D=True, PlotSlices=False, PlotTemporal=False, Mov=False) Class that contains information about the mesh of the data loaded

load_envelope(filename)

Function to load the file in ArrayFire format and convert it to an array of NumPy format.

load_parameters()

Reads the file with parameters of the simulation and returns a set of data in the following order: dimentions, time step, number of points, vector limits

plot_sequence (InPath, DoMovie)

Function to plot the set of saved data with the matplotlib plot functions. This makes the output beautiful!!!

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