BaseInteractor

Shares some functions between the interface interactor and various layer interactors. Acts as an interface with functions for interactors to 'fill in' and others already defined.

config

Configuration file for plottools.

LineModel

Class that evaluates a linear model:

f(x) = A + Bx

PropertiesDialog

Creates/maintains the 'properties' window which allows the user to edit certain aspects of the plot.

transform

Contains functions for performing various mathematical transformations.

unitConverter

Contains functions for conversions between units.

canvas

This module implements a faster canvas for plotting. It ovewrites some matplolib methods to allow printing on sys.platform=='win32'.

fitDialog

Controls dialog window popups for various fitting events - i.e. displaying fitting values, checking validity of parameters, etc

plottables

plottable_interactor

drawing curves and

connecting markers.

This module allows more interaction with the plot like

There is a main Graph class that holds multiple plottables (based on color/symbol lists) and a Transform class which defines a transform plugin to the plottable architecture. There are also Data1D and 2D classes along with corresponding fitting classes

PlotPanel

main PlotPanel class: The PlotPanel has a Figure and a Canvas. OnSize events simply set a flag, and the actually redrawing of the figure is triggered by an Idle event.

fittings

Contains a sansfit class that performs computation for a fit function, as well as a chi-square. Also has a Parameter class to handle model parameters.

toolbar

This module overwrites the matplotlib toolbar.

Binder

Extension to MPL to support the binding of artists to key/mouse events - i.e. binding scrolling, clicking, etc to a change in the canvas

plottable_interactor **BaseInteractor** This module allows more interaction with the plot like Shares some functions between drawing curves and the interface interactor and connecting markers. various layer interactors. Acts as an interface with functions for canvas interactors to 'fill in' and others fitDialog already defined. This module implements a faster canvas for plotting. It Controls dialog window ovewrites some matplolib popups for various fitting plottables methods to allow printing on events - i.e. displaying config sys.platform=='win32'. fitting values, checking There is a main Graph class validity of parameters, etc Configuration file for that holds multiple plottables plottools. (based on color/symbol lists) and a Transform class which defines a transform plugin to LineModel the plottable architecture. There are also Data1D and Class that evaluates a 2D classes along with linear model: corresponding fitting classes f(x) = A + Bx<u>matplotlib</u> plotting library wx - GUI NumPy - support that allows plots toolkit to be embedded for large, multi-dimensional into GUIs, etc. arrays, high-level mathematical **functions PropertiesDialog** Creates/maintains the 'properties' window which allows the user to edit <u>SciPy</u> - various certain aspects of the plot. algorithms and **PlotPanel** mathematical main PlotPanel class: The tools PlotPanel has a Figure and a transform Canvas. OnSize events toolbar simply set a flag, and the fittings actually redrawing of the Contains functions for figure is triggered by an Idle performing various Contains a sansfit class that This module overwrites event. mathematical the matplotlib toolbar. performs computation for a fit transformations. function, as well as a chi-square . Also has a Parameter class to handle model parameters. unitConverter **Binder** Contains functions for conversions between Extension to MPL to support units. the binding of artists to key/mouse events - i.e. binding scrolling, clicking, etc to a change in the canvas