

Normalize Inspector

Normalize & Move & Cut

This function supports three manipulations:

Moving of data,

$$x=x+A$$

$$y=y+A$$

normalizing of data,

$$x=A+Bx$$

$$y=A+By$$

and cutting data.

Normalizing manipulates the buffers by stretching or shrinking along the specified axis. The specified reference

points in the spectrum are changed in such a way that the first old value becomes the first new value and the second old value becomes the second new value.

If *Move* is selected (by the *Mode* radio button) only the first value (first row) is relevant. Clicking *Execute* moves the buffer in the specified direction (selected with the *Axis Radio* button) from the old to the new value.

If *Cut* is selected the buffer will be cut by using the defined ranges and the selected axis.

The values for this manipulation can also be entered via the mouse mode *X Norm* and *Y Norm* (look up in the mouse mode help file).

Linear Background Subtraction

The linear background subtraction is a manipulation of the following kind:

$$y=y+A+Bx$$

The A and B values can be entered directly or with the mouse mode *Linear Background* (look up in the *Mouse Mode* help file).

The *Result Mode* and *Background* radio buttons instruct SciPlot what to do with the results of these manipulations: Overwrite the input buffer or create a new one, and either save the background itself or forget it.

Bezier Background Subtraction

Before you can manipulate the bezier curve with the mouse you have to select the mouse mode *Bezier Background*.

The *Set Current Point* buttons allow to define the referent point which should be currently manipulated with the mouse. This is handy for when it is outside the plotwindow and you cannot click it.

The *Result Mode* and *Background* radio buttons instruct SciPlot what to do with the results of these manipulations: Overwrite the input buffer or create a new one, and either save the background itself or forget it.

Clicking the *Reset* button brings up the template bezier.