

Calculation Inspector

Subtract & Add Buffer

With this function buffers (specified by reference numbers from the File Inspector) can be added to or subtracted from each other, depending on the selection within the *Mode* radio button.

Data Reduction

Sometimes it is useful to reduce a large number of datapoints which consist mainly of noise to a more practical amount of points. This function takes n points (n is specified in the *Factor* field), builds the average, and replaces the n points with the new one.

Integrate

This function calculates the integral between the *X min* and *X max* value, multiplies and divides it by the given factors, and writes

the result to the comment fields in the *File Inspector*.

The *Result Mode* radio button selects the output format.

e.g. Short Form: Int=10.0
 LongForm: Int(2.0,7.0)=10.0

Clicking the *Make %* button calculates the relative values of the integrals for all selected buffers in which an integral entry (as above) appears and appends the percentage to the integral entry.

Calculations

Three kinds of calculations are possible:

1. (x,y) = Value (+,-,*,/) (x,y)
2. (x,y) = (x,y) (+,-,*,/) Value

3. (x,y) = (Log,Log10,Exp,Exp10, Sin,Cos,^2,Sqrt) (x,y)

These calculations effect all selected buffers.