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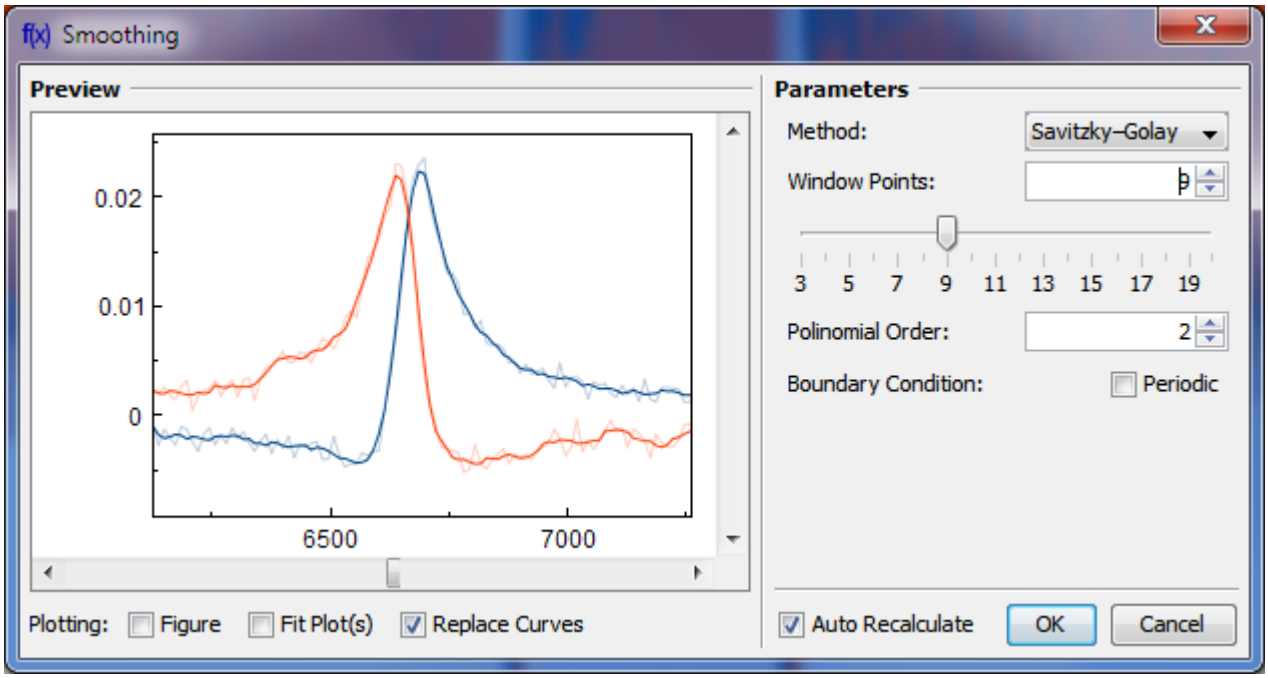
Data Processing and Auto Recalculation (Pro edition only)

Processing of Selected Data

MagicPlot Pro supports the following processing methods available in `Processing` menu:

- Smoothing
- Integration
- Differentiation
- Fast Fourier Transform (forward and inverse)
- Convolution
- Deconvolution
- Correlation
- Histogram calculation

To process data first select desired table columns or curves then select appropriate item in `Processing` menu. Processing parameters dialog will be opened.
All processing algorithms except `histogram` require X and Y values to be set. Therefore select X column along with Y column(s) if you are processing data from table.



Processing of Multiple Selected Data

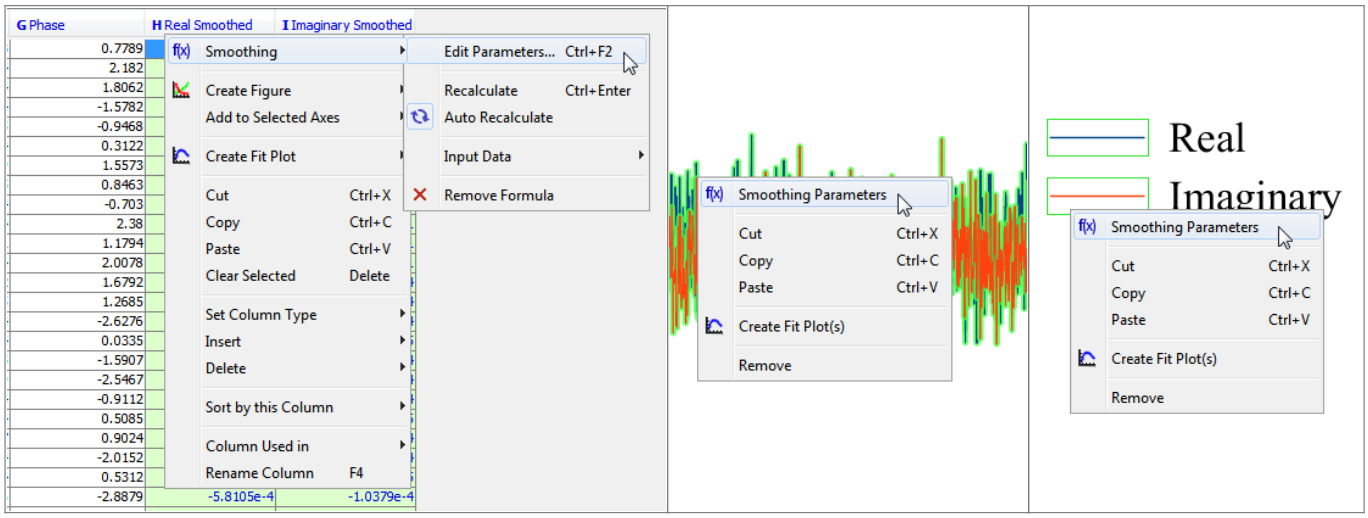
Different processing tools need different number of input columns or curves. You can process multiple selected columns of curves if one column or curve is enough for used processing method. Smoothing for example has one curve input so you can select smooth multiple curves at time. Otherwise Fourier transform need two (real and imaginary) curves so you cannot process multiple data with one click.

Auto Recalculation on Input Data Change

MagicPlot can automatically recalculate formula when data in used columns are changed. Set `Auto Recalculate` checkbox to enable this feature.

Editing Processing Parameters

You can edit processing parameters after processing using context menu of processing result (column or curve). You can also change processing parameters of multiple selected curves which were processed in the same way:



See Also

- Setting Column Formula