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Table Editing

In MagicPlot Tables are used to store numeric or text data depending on column type (numeric/text).

Data Types

MagicPlot supports these data types in Tables:

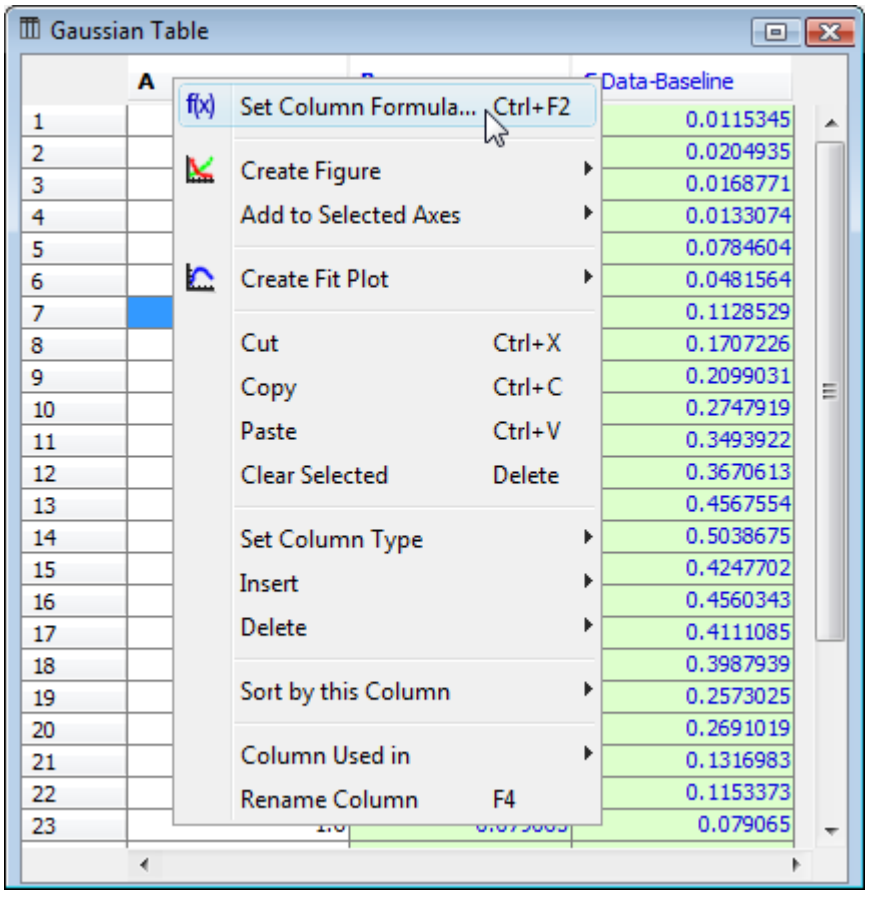
Format	Description
Numeric	64-bit double precision floating-point numbers (IEEE 754)
Text	Unicode string with unlimited length

Notes:

- Data type is set for entire columns. One column may not contain data with different type.
- Empty cells are equivalent to Not-a-Number values.
- Values from text columns are treated as empty cells if used as numbers.

Table Context Menu

Many table editing functions are available in table context menu (right click to open).



Changing Column Type

Use `Set Column Type` menu in column context menu to change column type (numeric/text).

Columns Numbers

Columns are enumerated starting with 1. The first 26 columns are additionally denoted with Latin letters: `A, B, C, … Y, Z, 27, 28, 29, ….` You can use either numbers or letters, addressing cells and columns in formulas.

Renaming Columns

Double click on column header to rename table column. You can also use `Rename Column` context menu item or press F4.

Moving (Reordering) Columns

Hold `Alt` key (`Option` on Mac, `Meta/Win` on Unix-like) and drag column header to rearrange table columns. If `Alt` key is not pressed, mouse dragging on header will select the columns.

Editing Table

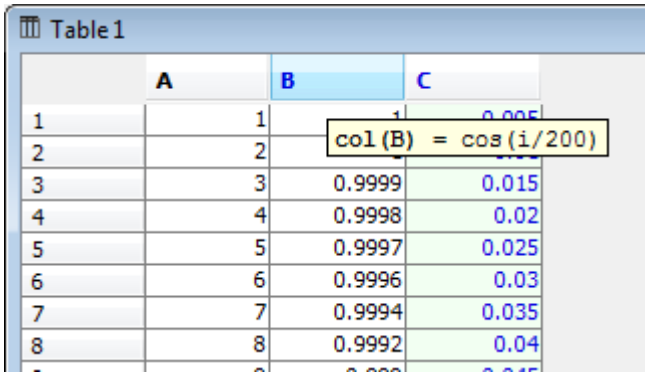
You can edit table cell by double clicking on it. You can enter either a number or an expression (e.g. typing `pi` in a cell results in `3.1416…`, typing 1+2 results in 3).

See Formula Syntax section for expression syntax.

Displaying Column Formulas in Table

MagicPlot marks columns for which formulas or other evaluators (FFT, integral, etc.) are set with blue header color. You can see the formula in column header tool tip.

The columns which are auto recalculated are not editable and have green background instead of white.



On the screenshot above:

- Column A has no formula
- Column B has a formula, auto recalculation is off
- Column C has a formula, auto recalculation is on, so this column is not editable

Fit Column Widths

To fit the width of one column, double click on right separator line in table header. To fit several selected columns widths, double click on one of column separators in table header.

See Also

- Setting Column Formula
- formula
- Table Sorting
- Missing Values (NaN) in Tables and Calculations

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