

Table of Contents

MagicPlot Editions Comparison 1

MagicPlot Editions Comparison

The table below shows the comparison of **MagicPlot Student** and **MagicPlot Pro** editions.

Edition Features	MagicPlot Student	MagicPlot Pro
Price	Free of charge, Non-commercial usage only	\$79 Get free trial
Common Features		
Multiple operating systems support (Windows, Mac OS X, Unix-like)	+	+
No installation procedure is required. Portable is installation also available	+	+
Undo and redo of all actions (with unlimited depth and history list)	+	+
Import tables from text files, import dialog with preview	+	+
Double precision floating point tables with copy/paste to/from other apps	+	+
Setting column calculation formulas	+	+
Built-in formula calculator tool	+	+
Entering expression in every numeric text field	+	+
Optional auto recalculation of column when data in use is changed	—	+
Nonlinear Curve Fitting		
Multi-peak fitting	+	+
Fitting by sum of different functions	+	+
Predefined Gauss and Lorentz functions and their derivatives	+	+
Visual peaks adjusting (fit initial conditions)	+	+
Visual fitting interval setting	+	+
Y data errors accounting	+	+
Easy subtraction of baseline and peak fitting functions from experimental data	+	+
Copy and paste Fit Curves between Fit Plots	+	+
Automatic peaks finding by 2nd derivative	—	+
Splines for baseline subtraction with fitting capability	—	+
Specifying custom fit function equations	—	+
Formula Editor (column formulas and custom fit curves)		
Fast formula translator	+	+
Syntax and braces highlighting	+	+
Previously entered formulas history	+	+
Data Processing		
Spectrum numeric integration on intervals	+	+
Integration	—	+
Differentiation	—	+
Fast Fourier Transform	—	+
Numerical calculating mean, variance of peaks on intervals	—	+

Edition Features	MagicPlot Student	MagicPlot Pro
Figure Editing Features		
Curves drawing: lines, markers, drop lines, filling under curve	+	+
Error bars	+	+
Switching curves antialiasing	+	+
Fully customizable style for each axis (ticks, labels, grid, etc.)	+	+
Custom grid lines and labels	+	+
Transparent images and transparent colors of every object by alpha compositing	+	+
In-place text labels editing with formatting support	+	+
2D Waterfall plots and setting individual shifts for curves	+	+
Canvas zooming in for precise drawing	—	+
Multiple axes on one figure, aligning axes	—	+
Drawing: text labels, lines, arrows, rectangles, ellipses	—	+
Precise objects positioning with snapping and rulers	—	+
Data Navigation		
Mouse cursor data coordinates in status bar	+	+
Showing data point and row numbers under cursor	+	+
X and Y scrollbars on window borders	+	+
Box scale zoom tool	+	+
Hand drag tool	+	+
Mouse wheel or touchpad scale scrolling	+	+
Figures Typography		
Accurate font rendering for varying output resolution	+	+
Correct minus and multiplication signs (instead of hyphen and letter x) in exponential notation	+	+
Ligatures support (fi, etc.)	+	+
Letters kerning and tracking	+	+
Special typographical symbols (en dash, em dash, etc.)	+	+
Image export		
Raster images export formats: PNG, GIF, BMP	+	+
Vector images export formats: EPS, PDF, EMF	—	+
Copying of raster image to clipboard	—	+
Copying of vector image to clipboard	—	+
Figure Style Templates		
Creating new figure templates	—	+
Applying figure templates	—	+
Localization		
Unicode support in projects: no encoding problems	+	+
Project files are portable between various operating systems	+	+
Usage		
Commercial usage	—	+
E-mail support	—	+

MagicPlot Student can also be used to view project files which was created in full-featured **MagicPlot Pro** edition. In such case some project elements (e.g. Custom fit curve formulas) will be not editable.

From:

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Last update: **Sun Nov 8 12:20:32 2015**

