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# MagicPlot Editions Comparison

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

<b>Edition Features</b>	<b>MagicPlot Student</b>	<b>MagicPlot Pro</b>
Price	Free of charge, Non-commercial usage only	\$79 <a href="#">Get free trial</a>
<b>Common Features</b>		
Multiple operating systems support (Windows, Mac OS X, Unix-like)	+	+
No installation procedure is required: just run	+	+
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	+	+
Copy-paste support	+	+
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	-	+
<b>Nonlinear Curve Fitting</b>		
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	-	+
<b>Formula Editor (column formulas and custom fit curves)</b>		
Fast formula translator	+	+
Syntax and braces highlighting	+	+
Previously entered formulas history	+	+
<b>Data Processing</b>		
Spectrum numeric integration on intervals	+	+
Integration	-	+
Differentiation	-	+
Fast Fourier Transform	-	+
Numerical calculating mean, variance of peaks on intervals	-	+
<b>Figure Editing Features</b>		

<b>Edition Features</b>	<b>MagicPlot Student</b>	<b>MagicPlot Pro</b>
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 colours 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	-	+
Drawing: text labels, lines, arrows, rectangles, ellipses	-	+
Precise objects positioning with snapping and rulers	-	+
<b>Data Navigation</b>		
Mouse cursor 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	+	+
<b>Figures Typography</b>		
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.)	+	+
<b>Image export</b>		
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	-	+
<b>Figure Style Templates</b>		
Creating new figure templates	-	+
Applying figure templates	-	+
<b>Localization</b>		
Unicode support in projects: no encoding problems	+	+
Project files are portable between various operating systems	+	+
<b>Usage</b>		
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.

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