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# MagicPlot Editions Comparison

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

| | **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, portable installation is available | + | + |
| Unicode support in projects | + | + |
| Undo and redo for all actions (with unlimited depth and history list) | + | + |
| Import tables from text files (.csv, .txt), import dialog with preview | + | + |
| Double precision floating point tables with copy/paste support to/from other apps | + | + |
| Built-in formula calculator tool | + | + |
| Entering expressions in every numeric text field | + | + |
| Setting column calculation formulas with syntax highlighting and formula history | + | + |
| Optional auto recalculation of column when data in use are changed | — | + |
| **Nonlinear Curve Fitting** | | |
| Multi-peak fitting | + | + |
| Fitting with 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 | + | + |
| Copying and pasting Fit Curves from one Fit Plot to another | + | + |
| Automatic peaks finding by 2nd derivative | — | + |
| Splines for baseline subtraction with fitting capability | — | + |
| Specifying custom fit equations | — | + |
| **Data Processing** | | |
| Numerical integration of peaks in spectrum on specified intervals | + | + |
| Integration of data | — | + |
| Differentiation of data | — | + |
| Fast Fourier transform | — | + |
| Numerical spectrum moments (mean, variance, etc.) calculation on selected intervals | — | + |
| **Plotting Features** | | |
| Plotting capabilities: lines, markers, drop lines, filling under curve | + | + |

| | MagicPlot Student | MagicPlot Pro |
|---|---|---|
| Error bars | + | + |
| Switching curves antialiasing on screen | + | + |
| Fully customizable style for each axis (ticks, labels, grid, etc.) | + | + |
| Custom grid lines and labels at specified positions | + | + |
| Transparent images and translucent colors of every object | + | + |
| In-place text labels editing with formatting support | + | + |
| 2D waterfall plots and setting individual shifts for curves | + | + |
| Image 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 | — | + |
| Saving and applying Figure templates | — | + |
| **Data Navigation and Exploration** | | |
| Mouse cursor data coordinates in status bar | + | + |
| Showing data point and table row numbers for point under cursor | + | + |
| X and Y scrollbars for data navigation | + | + |
| Box zoom tool for scale | + | + |
| Hand drag tool for scale | + | + |
| Mouse wheel or touchpad scale scrolling and zooming | + | + |
| **Figures Typography** | | |
| Correct minus and multiplication signs (instead of hyphen and letter x) in exponential notation | + | + |
| English ligatures support (fi, etc.) | + | + |
| Tracking | + | + |
| Inserting special symbols (Greek letters, math symbols, dashes, etc.) | + | + |
| **Image Export** | | |
| Raster images export formats: PNG, GIF, BMP | + | + |
| Vector images export formats: EPS, PDF, EMF | — | + |
| Copying of raster images to clipboard | — | + |
| Copying of vector images to clipboard | — | + |
| **Usage and Support** | | |
| Commercial usage | — | + |
| E-mail support (write to support(at)magicplot.com) | — | + |

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

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