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# 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,<br>Non-commercial<br>usage only | \$79<br><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. Portable installation         | +                                               | +                                      |
| 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              | —                                               | +                                      |
| <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>Edition Features</b>                                                                                         | <b>MagicPlot Student</b> | <b>MagicPlot Pro</b> |
|-----------------------------------------------------------------------------------------------------------------|--------------------------|----------------------|
| <b>Figure Editing Features</b>                                                                                  |                          |                      |
| Curves drawing: lines, markers, drop lines, filling under curve                                                 | +                        | +                    |
| Error bars                                                                                                      | +                        | +                    |
| <a href="#">Switching curves antialiasing</a>                                                                   | +                        | +                    |
| <a href="#">Fully customizable style for each axis (ticks, labels, grid, etc.)</a>                              | +                        | +                    |
| <a href="#">Custom grid lines and labels</a>                                                                    | +                        | +                    |
| <a href="#">Transparent images and transparent colors of every object by alpha compositing</a>                  | +                        | +                    |
| In-place text labels editing with formatting support                                                            | +                        | +                    |
| <a href="#">2D Waterfall plots and setting individual shifts for curves</a>                                     | +                        | +                    |
| <a href="#">Canvas zooming in for precise drawing</a>                                                           | —                        | +                    |
| <a href="#">Multiple axes on one figure, aligning axes</a>                                                      | —                        | +                    |
| <a href="#">Drawing: text labels, lines, arrows, rectangles, ellipses</a>                                       | —                        | +                    |
| <a href="#">Precise objects positioning with snapping and rulers</a>                                            | —                        | +                    |
| <b>Data Navigation</b>                                                                                          |                          |                      |
| Mouse cursor data coordinates in status bar                                                                     | +                        | +                    |
| <a href="#">Showing data point and row numbers under cursor</a>                                                 | +                        | +                    |
| <a href="#">X and Y scrollbars on window borders</a>                                                            | +                        | +                    |
| <a href="#">Box scale zoom tool</a>                                                                             | +                        | +                    |
| <a href="#">Hand drag tool</a>                                                                                  | +                        | +                    |
| <a href="#">Mouse wheel or touchpad scale scrolling</a>                                                         | +                        | +                    |
| <b>Figures Typography</b>                                                                                       |                          |                      |
| <a href="#">Accurate font rendering for varying output resolution</a>                                           | +                        | +                    |
| <a href="#">Correct minus and multiplication signs (instead of hyphen and letter x) in exponential notation</a> | +                        | +                    |
| <a href="#">Ligatures support (fi, etc.)</a>                                                                    | +                        | +                    |
| <a href="#">Letters kerning and tracking</a>                                                                    | +                        | +                    |
| <a href="#">Special typographical symbols (en dash, em dash, etc.)</a>                                          | +                        | +                    |
| <b>Image export</b>                                                                                             |                          |                      |
| <a href="#">Raster images export formats: PNG, GIF, BMP</a>                                                     | +                        | +                    |
| <a href="#">Vector images export formats: EPS, PDF, EMF</a>                                                     | —                        | +                    |
| <a href="#">Copying of raster image to clipboard</a>                                                            | —                        | +                    |
| <a href="#">Copying of vector image to clipboard</a>                                                            | —                        | +                    |
| <b>Figure Style Templates</b>                                                                                   |                          |                      |
| <a href="#">Creating new figure templates</a>                                                                   | —                        | +                    |
| <a href="#">Applying figure templates</a>                                                                       | —                        | +                    |
| <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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