

## SIGMAPLOT VERSION COMPARISONS

| GRAPH TYPES   | v15 | v14.5 | v.14 | v.13 | v.12 | v.11 | v.10 | v.9 | v.8 | v.7 | v.6 |
|---|-----|-------|------|------|------|------|------|-----|-----|-----|-----|
| HeatMap (Macro)   | NEW | x     | x    | x    | x    | x    | x    | x   | x   | x   | x   |
| Quantile-Quantile Plot                                      |     |       | x    | x    | x    | x    | x    | x   | x   | x   | x   |
| Confidence and Prediction ellipses                          |     |       | x    | x    | x    | x    | x    | x   | x   | x   | x   |
| Jitter Plots  |     |       | x    | x    | x    | x    | x    | x   | x   | x   | x   |
| Forest Plots / Forest Graphs – 2 Types                      |     |       |      |      | x    | x    | x    | x   | x   | x   | x   |
| Kernel Density Plot – 5 Types                               |     |       |      |      | x    | x    | x    | x   | x   | x   | x   |
| Dot Density with Mean Plus Confidence Interval              |     |       |      |      | x    | x    | x    | x   | x   | x   | x   |
| Radar Plots   |     |       |      |      |      | x    | x    | x   | x   | x   | x   |
| Dot Density Graphs  |     |       |      |      |      | x    | x    | x   | x   | x   | x   |
| 2D Vector Plots – Two Types                                 |     |       |      |      |      |      | x    | x   | x   | x   | x   |
| 3D Mesh Plot with contour projections                       |     |       |      |      |      |      |      | x   | x   | x   | x   |
| Weibull Axis Scales to Plot Weibull distributions           |     |       |      |      |      |      |      | x   | x   | x   | x   |
| Select Positive direction for Polar Plots                   |     |       |      |      |      |      |      | x   | x   | x   | x   |
| Create Reciprocal (Arrhenius) Scales                        |     |       |      |      |      |      |      |     | x   | x   | x   |
| Area Plots – intersections                                  |     |       |      |      |      |      |      |     |     | x   | x   |
| Area Plots – shade below curve                              |     |       |      |      |      |      |      |     |     |     | x   |
| Function Plotter for 2D and 3D functions                    |     |       |      |      |      |      |      |     |     |     | x   |
| 2D Filled Contour   |     |       |      |      |      |      |      |     |     |     | x   |
| Waterfall / High-Low-Close                                  |     |       |      |      |      |      |      |     |     |     |     |
| Ternary Plots / 3D Mesh                                     |     |       |      |      |      |      |      |     |     |     |     |
|   |     |       |      |      |      |      |      |     |     |     |     |
| GRAPH EDITING   | v15 | v14.5 | v.14 | v.13 | v.12 | v.11 | v.10 | v.9 | v.8 | v.7 | v.6 |
| Improved Default Appearance of Result Graphs                |     |       |      | x    | x    | x    | x    | x   | x   | x   | x   |
| Draw Lines, Ellipses, Boxes, Arrows with Solid Arrowheads   |     |       |      | x    | x    | x    | x    | x   | x   | x   | x   |
|   |     |       |      | x    | x    | x    | x    | x   | x   | x   | x   |
| Anti-Aliasing Button Added to Graph Page Tab > Format Group |     |       |      |      |      |      |      |     |     |     |     |
| 10 New Color Schemes  |     |       |      |      | x    | x    | x    | x   | x   | x   | x   |
| Horizontal, Vertical, Rectangular Legend Shapes             |     |       |      |      | x    | x    | x    | x   | x   | x   | x   |
| Reorder Legend Items  |     |       |      |      | x    | x    | x    | x   | x   | x   | x   |
| Mini-toolbar Editing of Legend Items                        |     |       |      |      | x    | x    | x    | x   | x   | x   | x   |
| Simple Direct Labeling to Place Legend Text Next to Plots   |     |       |      |      | x    | x    | x    | x   | x   | x   | x   |
| Addition of Legend Titles                                   |     |       |      |      | x    | x    | x    | x   | x   | x   | x   |
| Reverse Legend Items  |     |       |      |      | x    | x    | x    | x   | x   | x   | x   |
| Mouse Editing of Legend Items and Box                       |     |       |      |      | x    | x    | x    | x   | x   | x   | x   |
| New Zoom, Pan and Drag Controls                             |     |       |      |      |      | x    | x    | x   | x   | x   | x   |
| Mouse Wheel Scrolling Enabled                               |     |       |      |      |      | x    | x    | x   | x   | x   | x   |
| Color Gradients and Transparency                            |     |       |      |      |      | x    | x    | x   | x   | x   | x   |
| Anti-aliased Lines  |     |       |      |      |      | x    | x    | x   | x   | x   | x   |
| Ability to scroll through time-series                       |     |       |      |      |      | x    | x    | x   | x   | x   | x   |
| Improved 3D Graph Customization                             |     |       |      |      |      |      | x    | x   | x   | x   | x   |
| More Line Types and Fill Patterns                           |     |       |      |      |      |      |      | x   | x   | x   | x   |
| Automatically Graph Irregularly Spaced 3D Data              |     |       |      |      |      |      |      |     | x   | x   | x   |
| Automatic resizing and positioning groups of graphs         |     |       |      |      |      |      |      |     | x   | x   | x   |
| More Selectable Graph Objects & improved Graph Defaults     |     |       |      |      |      |      |      |     | x   | x   | x   |
| Automatically generate confidence bands for curve fits      |     |       |      |      |      |      |      |     | x   | x   | x   |
| More Axis Scales for 2D and 3D contour plots                |     |       |      |      |      |      |      |     | x   | x   | x   |
| Over 30 additional symbol shapes                            |     |       |      |      |      |      |      |     |     | x   | x   |
| Categorical Graphing support – avoid data reformatting      |     |       |      |      |      |      |      |     |     | x   | x   |

| USER INTERFACE   | v15 | v14.5 | v.14 | v.13 | v.12 | v.11 | v.10 | v.9 | v.8 | v.7 | v.6 |
|--|-----|-------|------|------|------|------|------|-----|-----|-----|-----|
| Changed the Ribbon manager style to VS 2008  | NEW | x     | x    | x    | x    | x    | x    | x   | x   | x   | x   |
| Created a new Home button icon   | NEW | x     | x    | x    | x    | x    | x    | x   | x   | x   | x   |
| Desaturated the ribbon icons   | NEW | x     | x    | x    | x    | x    | x    | x   | x   | x   | x   |
| Changed name of Toolbox tab (Macros)   | NEW | x     | x    | x    | x    | x    | x    | x   | x   | x   | x   |
| Added new ribbon tab for macros that are to be highlighted (Tools?)  | NEW | x     | x    | x    | x    | x    | x    | x   | x   | x   | x   |
| Added new ribbon tab for Help  | NEW | x     | x    | x    | x    | x    | x    | x   | x   | x   | x   |
| Moved Ribbons menu functionality to another Quick Access Toolbar   | NEW | x     | x    | x    | x    | x    | x    | x   | x   | x   | x   |
| Fixed 4k issues with Startup screen  | NEW | x     | x    | x    | x    | x    | x    | x   | x   | x   | x   |
| Added Histograms group on Analysis tab   | NEW | x     | x    | x    | x    | x    | x    | x   | x   | x   | x   |
| Support for Unicode Characters and Symbols in worksheets, graphs, and reports                              | ✓   | ✓     | ✓    | ✓    | x    | x    | x    | x   | x   | x   | x   |
| Ribbon Interface Changes & Adapts with Program Selections  | ✓   | ✓     | ✓    | ✓    | x    | x    | x    | x   | x   | x   | x   |
| Sample files in Help for Graphs, Statistics, Macros, Transforms, & Nonlinear Regression                    | ✓   | ✓     | ✓    | ✓    | x    | x    | x    | x   | x   | x   | x   |
| Transforms and "picking from column" allow you to create data dependent color gradients, symbols and sizes | ✓   | ✓     | ✓    | ✓    | x    | x    | x    | x   | x   | x   | x   |
| Rearrange Notebook Items by Dragging   | ✓   | ✓     | ✓    | ✓    | x    | x    | x    | x   | x   | x   | x   |
| New SigmaPlot Tutorial PDF   | ✓   | ✓     | ✓    | ✓    | x    | x    | x    | x   | x   | x   | x   |
| Microsoft Office Style Ribbon Controls   | ✓   | ✓     | ✓    | ✓    | x    | x    | x    | x   | x   | x   | x   |
| Object and Property Browsers   | ✓   | ✓     | ✓    | ✓    | x    | x    | x    | x   | x   | x   | x   |
| Immediate Dynamic Graph Update upon property change  | ✓   | ✓     | ✓    | ✓    | x    | x    | x    | x   | x   | x   | x   |
| Copy and Paste Property Group Styles   | ✓   | ✓     | ✓    | ✓    | x    | x    | x    | x   | x   | x   | x   |
| Tabbed Window Interface  | ✓   | ✓     | ✓    | ✓    | x    | x    | x    | x   | x   | x   | x   |
| Docking Panel Guides   | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |
| Vertical and Horizontal Tab Grouping   | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |
| Object Specific Mini-Toolbars  | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |
| Customizable Quick Access Toolbar  | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |
| Pre-Formatted Worksheets   | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |
| Real-time Mouseover Coordinate Feedback  | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |
| Program Startup Wizard   | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |
| Submission Assistant   | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |
| Customizable Transform Libraries   | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |
| Audit Trails – Tracks Changes to Notebooks & Log-in Names  | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |
| Password Protected Notebooks   | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |
| Browser-style Notebook Manager   | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |
| One-step multi-cell formatting   | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |
| Duplicate row and column titles allowed  | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |
| Print Preview  | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |
| Freeze Panes, Find and Replace   | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |
| Microsoft Excel Arrow Behavior   | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |
| Text Wrap in Worksheet Cells   | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |
| Editable Date and Time Formats   | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |
| Column Titles Show Equations Used by Quick Transforms  | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |
| Multiple Undo  | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |
| AutoSave   | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |
| Graph Style Gallery  | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |
| Arrange Multiple Graphs on a Page with Templates   | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |
| Graph Page Rulers and Adjustable Snap-to-Grids   | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |
| Custom Zoom  | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |
| Report Editor in Notebook  | ✓   | ✓     | ✓    | ✓    | ✓    | x    | x    | x   | x   | x   | x   |

| <b>DATA ANALYSIS</b>  | v15 | v14.5 | v.14 | v.13 | v.12 | v.11 | v.10 | v.9 | v.8 | v.7 | v.6 |
|---|-----|-------|------|------|------|------|------|-----|-----|-----|-----|
| Simultaneously Solve for a Range of Values                                |     |       |      |      |      |      |      |     |     |     |     |
| Ligand Binding Analysis   |     |       |      |      |      |      |      |     |     |     |     |
| Equation Solver to Evaluate Mathematical Equations                        |     |       |      |      |      |      |      |     |     |     |     |
| Six Smoothing Routines for 2D Data  |     |       |      |      |      |      |      |     |     |     |     |
| Seven Smoothing Routines for 3D Data                                      |     |       |      |      |      |      |      |     |     |     |     |
| Quick Transforms for Point-and-Click Data Transformations                 |     |       |      |      |      |      |      |     |     |     |     |
| Enhanced Histogram Wizard   |     |       |      |      |      |      |      |     |     |     |     |
| Regression Wizard for Curve-fitting                                       |     |       |      |      |      |      |      |     |     |     |     |
| Summary Statistics  |     |       |      |      |      |      |      |     |     |     |     |
| <b>IMPORT / EXPORT</b>  | v15 | v14.5 | v.14 | v.13 | v.12 | v.11 | v.10 | v.9 | v.8 | v.7 | v.6 |
| Added SVG and SWF Scalable Graphics Export in Vector File Formats         |     |       |      |      |      |      |      |     |     |     |     |
| Added Vector PDF Export as Default Method                                 |     |       |      |      |      |      |      |     |     |     |     |
| Minitab, SAS and SPSS file Import/Export                                  |     |       |      |      |      |      |      |     |     |     |     |
| Enhanced PDF Export by New Report Engine                                  |     |       |      |      |      |      |      |     |     |     |     |
| Support for EMF Files   |     |       |      |      |      |      |      |     |     |     |     |
| SAS and Minitab Data File Import  |     |       |      |      |      |      |      |     |     |     |     |
| Direct Graphic File Import on Graph Page BMP, JPEG, GIF, TIFF + many more |     |       |      |      |      |      |      |     |     |     |     |
| ODBC Import   |     |       |      |      |      |      |      |     |     |     |     |
| PDF Export of Graphs & Reports  |     |       |      |      |      |      |      |     |     |     |     |
| HTML Export of Reports  |     |       |      |      |      |      |      |     |     |     |     |
| Import Microsoft Access MDB data  |     |       |      |      |      |      |      |     |     |     |     |
| Graph Export Wizard – Calculate DPI, Page Size                            |     |       |      |      |      |      |      |     |     |     |     |
| True Color Vector EPS Graph Export  |     |       |      |      |      |      |      |     |     |     |     |
| Compressed TIFF CMYK Graph Export   |     |       |      |      |      |      |      |     |     |     |     |
| WebViewer   |     |       |      |      |      |      |      |     |     |     |     |
| Raster EPS & CMYK Graph Export in 24-bit Color                            |     |       |      |      |      |      |      |     |     |     |     |
| Batch Print of Selected Items in Notebook                                 |     |       |      |      |      |      |      |     |     |     |     |
| Export Graphic File Formats: TIFF, JPG, WMF, BMP, EPS                     |     |       |      |      |      |      |      |     |     |     |     |
| <b>AUTOMATION</b>   | v15 | v14.5 | v.14 | v.13 | v.12 | v.11 | v.10 | v.9 | v.8 | v.7 | v.6 |
| Specify Graph Page measurement units used                                 |     |       |      |      |      |      |      |     |     |     |     |
| Specify Automatic Legend States   |     |       |      |      |      |      |      |     |     |     |     |
| Automatic Updating of Quick Transforms                                    |     |       |      |      |      |      |      |     |     |     |     |
| Automatic Placement of Equations  |     |       |      |      |      |      |      |     |     |     |     |
| Toolbox Macros Menu   |     |       |      |      |      |      |      |     |     |     |     |
| Customizable Built-in Macros  |     |       |      |      |      |      |      |     |     |     |     |
| Visual Basic-based Macros   |     |       |      |      |      |      |      |     |     |     |     |
| Built-in Macro Recorder to Playback Operations                            |     |       |      |      |      |      |      |     |     |     |     |
| Automation Object Support – Link to Custom Applications                   |     |       |      |      |      |      |      |     |     |     |     |
| OLE and OLE 2 Client/Server   |     |       |      |      |      |      |      |     |     |     |     |

| <b>MS WINDOWS INTEGRATION</b>  | <b>v15</b> | <b>v14.5</b> | <b>v.14</b> | <b>v.13</b> | <b>v.12</b> | <b>v.11</b> | <b>v.10</b> | <b>v.9</b> | <b>v.8</b> | <b>v.7</b> | <b>v.6</b> |
|--|------------|--------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|------------|
| Change clipboard format for Excel to CF_SYLK so numbers pasted from Excel have full precision.   | NEW        |              |             |             |             |             |             |            |            |            |            |
| Option to change Excel pasting in SigmaPlot to use the clipboard format CF_UNICODETEXT (Paste numeric data from Excel into SigmaPlot using full precision with inability to paste non-ASCII characters.) | NEW        |              |             |             |             |             |             |            |            |            |            |
| Automatic Transfer of User Options During Software Upgrades  |            |              |             |             |             |             |             |            |            |            |            |
| Import Excel files directly into SigmaPlot   |            |              |             |             |             |             |             |            |            |            |            |
| Supports Silent Installation   |            |              |             |             |             |             |             |            |            |            |            |
| Improved Network License Manager   |            |              |             |             |             |             |             |            |            |            |            |
| Microsoft Excel®, Word® and PowerPoint® Support  |            |              |             |             |             |             |             |            |            |            |            |
| Run Microsoft Excel from within SigmaPlot™   |            |              |             |             |             |             |             |            |            |            |            |
|  |            |              |             |             |             |             |             |            |            |            |            |
| <b>ERROR BARS</b>  | <b>v15</b> | <b>v14.5</b> | <b>v.14</b> | <b>v.13</b> | <b>v.12</b> | <b>v.11</b> | <b>v.10</b> | <b>v.9</b> | <b>v.8</b> | <b>v.7</b> | <b>v.6</b> |
| Categorical Data (Groups) for Error Bar Plots  |            |              |             |             |             |             |             |            |            |            |            |
| Percentile Method in Error Bars and Box Plots  |            |              |             |             |             |             |             |            |            |            |            |
| Asymmetric Error Bars / Error Bars from Replicate Values   |            |              |             |             |             |             |             |            |            |            |            |
| Error bar calculations – SD, SEM, 95% and 99%  |            |              |             |             |             |             |             |            |            |            |            |
|  |            |              |             |             |             |             |             |            |            |            |            |
| <b>WORKSHEET</b>   | <b>v15</b> | <b>v14.5</b> | <b>v.14</b> | <b>v.13</b> | <b>v.12</b> | <b>v.11</b> | <b>v.10</b> | <b>v.9</b> | <b>v.8</b> | <b>v.7</b> | <b>v.6</b> |
| Enter colors, patterns, symbols, line styles, tick mark intervals, tick labels and more directly into your worksheet   |            |              |             |             |             |             |             |            |            |            |            |
| Line Widths from a Worksheet Column  |            |              |             |             |             |             |             |            |            |            |            |
| Mini Tool Bar for Worksheet Cell Editing   |            |              |             |             |             |             |             |            |            |            |            |
| Zoom Enabled Worksheet   |            |              |             |             |             |             |             |            |            |            |            |
| Formatted Text in Worksheet Cells  |            |              |             |             |             |             |             |            |            |            |            |
|  |            |              |             |             |             |             |             |            |            |            |            |
| <b>REPORTS</b>   | <b>v15</b> | <b>v14.5</b> | <b>v.14</b> | <b>v.13</b> | <b>v.12</b> | <b>v.11</b> | <b>v.10</b> | <b>v.9</b> | <b>v.8</b> | <b>v.7</b> | <b>v.6</b> |
| Insert Tables with Pre-defined Styles or Customize Completely  |            |              |             |             |             |             |             |            |            |            |            |
| Copy / Paste Tabular Data Between Report and Excel Worksheet   |            |              |             |             |             |             |             |            |            |            |            |
| Zoom Enabled in Reports  |            |              |             |             |             |             |             |            |            |            |            |
| Vertical and Horizontal Rulers Appear in Graph Windows   |            |              |             |             |             |             |             |            |            |            |            |
| Ability to Change the Report Background Color  |            |              |             |             |             |             |             |            |            |            |            |
| New Report Engine Version  |            |              |             |             |             |             |             |            |            |            |            |
| Drag 'n Drop Word 2007 or 2010 Content Directly onto Report Page   |            |              |             |             |             |             |             |            |            |            |            |

| <b>TRANSFORMS</b>   | v15 | v14.5 | v.14 | v.13 | v.12 | v.11 | v.10 | v.9 | v.8 | v.7 | v.6 |
|---|-----|-------|------|------|------|------|------|-----|-----|-----|-----|
| Mathematical Transforms – User-defined dialog is now resizable and can be saved                                 | ✓   | ✓     | ✓    | ✗    | ✗    | ✗    | ✗    | ✗   | ✗   | ✗   | ✗   |
| Improved User Interface for Quick Transforms Dialog   | ✓   | ✓     | ✓    | ✗    | ✗    | ✗    | ✗    | ✗   | ✗   | ✗   | ✗   |
| Quick Transforms List Appears in Property Browser Object Window   | ✓   | ✓     | ✓    | ✓    | ✓    | ✗    | ✗    | ✗   | ✗   | ✗   | ✗   |
| Quick Worksheet Window Scrolling with Mouse Wheel   | ✓   | ✓     | ✓    | ✓    | ✓    | ✗    | ✗    | ✗   | ✗   | ✗   | ✗   |
|   |     |       |      |      |      |      |      |     |     |     |     |
| <b>LICENSE</b>  | v15 | v14.5 | v.14 | v.13 | v.12 | v.11 | v.10 | v.9 | v.8 | v.7 | v.6 |
| New the licensing system  | NEW | ✗     | ✗    | ✗    | ✗    | ✗    | ✗    | ✗   | ✗   | ✗   | ✗   |
| Upgraded to the latest Sentinel License Manager   | NEW | ✗     | ✗    | ✗    | ✗    | ✗    | ✗    | ✗   | ✗   | ✗   | ✗   |
| Hosted licensing service  | NEW | ✗     | ✗    | ✗    | ✗    | ✗    | ✗    | ✗   | ✗   | ✗   | ✗   |
|   |     |       |      |      |      |      |      |     |     |     |     |
| <b>MISCELLANEOUS</b>  | v15 | v14.5 | v.14 | v.13 | v.12 | v.11 | v.10 | v.9 | v.8 | v.7 | v.6 |
| Fixed crash and data loss bugs  | NEW | ✗     | ✗    | ✗    | ✗    | ✗    | ✗    | ✗   | ✗   | ✗   | ✗   |
| Windows 11 compatibility and Server 2022 compatibility  | NEW | ✗     | ✗    | ✗    | ✗    | ✗    | ✗    | ✗   | ✗   | ✗   | ✗   |
| Making the Description Field of the Summary Info a Multiple Line Control  | NEW | ✗     | ✗    | ✗    | ✗    | ✗    | ✗    | ✗   | ✗   | ✗   | ✗   |
| Removes all dependencies on old Visual Studio 2005 redistributable by replacing older software for graph export | NEW | ✗     | ✗    | ✗    | ✗    | ✗    | ✗    | ✗   | ✗   | ✗   | ✗   |