

SigmaPlot® 15 Features

Designed Specifically to Meet the Needs of Scientists, Professional Researchers and Engineers

What new features are missing from your older version of SigmaPlot?

Take a look at the latest features.

GRAPH TYPES

- **HeatMap (Macro)**
- Quantile-Quantile Plot
- Confidence and Prediction ellipses
- Jitter Plots
- Forest Plots / Forest Graphs – 2 Types
- Kernel Density Plot – 5 Types
- Dot Density with Mean Plus Confidence Interval
- Radar Plots
- Dot Density Graphs
- 2D Vector Plots – Two Types
- 3D Mesh Plot with contour projections
- Weibull Axis Scales to Plot Weibull distributions
- Select Positive direction for Polar Plots
- Create Reciprocal (Arrhenius) Scales
- Area Plots – intersections
- Area Plots – shade below curve
- Function Plotter for 2D and 3D functions
- 2D Filled Contour
- Waterfall / High-Low-Close
- Ternary Plots / 3D Mesh

GRAPH EDITING

- Improved Default Appearance of Result Graphs
- Draw Lines, Ellipses, Boxes, Arrows with Solid Arrowheads
- Anti-Aliasing Button Added to Graph Page Tab > Format Group
- 10 New Color Schemes

- Horizontal, Vertical, Rectangular Legend Shapes
- Reorder Legend Items
- Mini-toolbar Editing of Legend Items
- Simple Direct Labeling to Place Legend Text Next to Plots
- Addition of Legend Titles
- Reverse Legend Items
- Mouse Editing of Legend Items and Box
- New Zoom, Pan and Drag Controls
- Mouse Wheel Scrolling Enabled
- Color Gradients and Transparency
- Anti-aliased Lines
- Ability to scroll through time-series
- Improved 3D Graph Customization
- More Line Types and Fill Patterns
- Automatically Graph Irregularly Spaced 3D Data
- Automatic resizing and positioning groups of graphs
- More Selectable Graph Objects & improved Graph Defaults
- Automatically generate confidence bands for curve fits
- More Axis Scales for 2D and 3D contour plots
- Over 30 additional symbol shapes
- Categorical Graphing support – avoid data reformatting
- Microsoft Equation Editor support
- Select and edit individual objects – lines, bars
- Select and edit multiple objects
- In-place text editing on page
- Legends – auto lock to graph or data
- Graph page rulers, adjustable

- snap-to grids
- Transparent 3D meshes
- Smooth and gradient 3D mesh fills

USER INTERFACE

- **Changed the Ribbon manager style to VS 2008**
- **Created a new Home button icon**
- **Desaturated the ribbon icons**
- **Changed name of Toolbox tab (Macros)**
- **Added new ribbon tab for macros that are to be highlighted (Tools?)**
- **Added new ribbon tab for Help**
- **Moved Ribbons menu functionality to another Quick Access Toolbar**
- **Fixed 4k issues with Startup screen**
- **Added Histograms group on Analysis tab**
- Support for Unicode Characters and Symbols in worksheets, graphs, and reports
- Ribbon Interface Changes & Adapts with Program Selections
- Sample files in Help for Graphs, Statistics, Macros, Transforms, & Nonlinear Regression
- Transforms and "picking from column" allow you to create data dependent color gradients, symbols and sizes
- Rearrange Notebook Items by Dragging
- New SigmaPlot Tutorial PDF
- Microsoft Office Style Ribbon Controls

- Object and Property Browsers
 - Immediate Dynamic Graph Update upon property change
 - Copy and Paste Property Group Styles
 - Tabbed Window Interface
 - Docking Panel Guides
 - Vertical and Horizontal Tab Grouping
 - Object Specific Mini-Toolbars
 - Customizable Quick Access Toolbar
 - Pre-Formatted Worksheets
 - Real-time Mouseover Coordinate Feedback
 - Program Startup Wizard
 - Submission Assistant
 - Customizable Transform Libraries
 - Audit Trails – Tracks Changes to Notebooks & Log-in Names
 - Password Protected Notebooks
 - Browser-style Notebook Manager
 - One-step multi-cell formatting
 - Duplicate row and column titles allowed
 - Print Preview
 - Freeze Panes, Find and Replace
 - Microsoft Excel Arrow Behavior
 - Text Wrap in Worksheet Cells
 - Editable Date and Time Formats
 - Column Titles Show Equations Used by Quick Transforms
 - Multiple Undo
 - AutoSave
 - Graph Style Gallery
 - Arrange Multiple Graphs on a Page with Templates
 - Graph Page Rulers and Adjustable Snap-to-Grids
 - Custom Zoom
 - Report Editor in Notebook
- DATA ANALYSIS**
- **Save result graph data with reports**
 - **Option to revert back to not**
- saving result graph data with reports in case storage size becomes a problem. (Save result graph data with reports for anytime graph creation, on by default)**
- **Keep User Defined Transforms dialog up and running after pressing Run button**
 - **Option to dismiss UDT dialog after pressing Run button. Dismiss dialog after pressing the Run button, turned on by default**
- Regression Wizard Improvements:**
- Over 150 Graphically-Illustrated Equations
 - Marquardt-Levenberg Algorithm with up to 50 Independent Variables and 500 Parameters
 - Automatic Plot Regression Statistics
 - Column Descriptive Statistics Generated Automatically – choose which and in what order
 - One-Way Frequency Tables
 - Welch's T-test Assuming Unequal Variances
 - Results Graphs from Statistics
 - Principal Components Analysis (PCA)
 - Analysis of Covariance (ANCOVA)
 - Analytical Computation of Nonparametric P Values
 - Akaike Information Criterion (AICc)
 - 24 Probability Functions in Curve Fit Library "standard.jfl"
 - 7 Weighting Functions in Each Curve Fitting File
 - Enzyme Kinetics Module Included
 - Weighting Methods Using Predicteds and for Robust Regression
 - Parameter Covariance Matrix and Confidence Intervals in Reports
 - Implicit Function Curve Fitting
- Non-parametric One Sample T-test
 - Deming Regression Allowing Errors in Both X and Y
 - Normal Distribution Comparison for Quality Control
 - Parallel Line Analysis
 - Bland-Altman Method for Method Comparison
 - P Value Improvement for Dunnett's Test and Improved 3-way ANOVA
 - Worksheet Row and Column Titles from Transform Language
 - New Root() and Implicit() Transform Language Functions
 - Global Curve Fitting
 - Complete Advisory Statistical Analysis
 - Standard Curves Macro Improved
 - Dynamic Fit Wizard – Find the Global Minimum
 - ROC Curve Analysis
 - 24 New Probability Transform Functions
 - Piecewise Linear Regression – 2, 3, 4 & 5-segment Models
 - Additional Statistical Results for Nonlinear Curve-fitting
 - Multi-line Equations
 - 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

IMPORT / EXPORT

- 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

AUTOMATION

- 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

MS WINDOWS INTEGRATION

- **Change clipboard format for Excel to CF_SYLK so numbers pasted from Excel have full precision.**
- **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.)**
- 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™

ERROR BARS

- 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%

WORKSHEET

- 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

REPORTS

- 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

TRANSFORMS

- 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

LICENSE

- **New the licensing system**
- **Upgraded to the latest Sentinel License Manager**
- **Hosted licensing service**

MISCELLANEOUS

- **Fixed crash and data loss bugs**
- **Windows 11 compatibility and Server 2022 compatibility**
- **Making the Description Field of the Summary Info a Multiple Line Control**
- **Removes all dependencies on old Visual Studio 2005 redistributable by replacing older software for graph export**