

New Features

This is an overview of some of **Grapher 12's** new features.

User Friendly

- New [Date/Time Format Builder](#) dialog provides more control over the display of date/time values.
- [Add scripts to and run scripts](#) from the Ribbon in the **Developer | User Scripts** section.
- Pin documents to the [Recent Documents](#) list.
- New [keyboard commands](#) for accessing the **Property Manager** and **Object Manager**.
- Enhanced [worksheet window](#) appearance.
- [Switch](#) and manage open windows.
- Use the [docking mechanism](#) to easily position managers within the application window.
- Added space for more commands in the [Quick Access Toolbar](#).
- The zoom [In](#), [Out](#), and [Rectangle](#) view commands are persistent.

Graph Features

- Create [Ternary Bubble Plots](#)
- Add a [title](#) to color scales.
- Easily reverse the nodes of a [color spectrum](#).
- Create [2D](#) or [3D](#) $X = F(Y)$ function plots.
- [Change](#) the file paths for all worksheet references in a document simultaneously.
- [Bar Chart Groups](#) can be plotted adjacent to one another.
- Map [Color Gradients](#) to data values.
- Create [horizontal](#) box-whisker and notched box-whisker plots
- Move legend titles and entries with the [Move Labels](#) command.
- Flip the order of the entries in a [legend](#).
- [Class plot](#) symbols are different colors by default.
- Only show [legend](#) entries for visible plots

Drawing and Digitizing Features

- Distribute objects [horizontally](#) or [vertically](#) with even spacing between objects.

Data Features

- Include mode when calculating worksheet [statistics](#).
- Quickly convert [Numbers to Text](#) or [Text to Numbers](#) in the worksheet.
- Improved [Sort](#) operation.

Import and Export Improvements

- Export [vector PDF](#) files with layers

- Improved transparency and fill handling for [Golden Software Interchange GSI](#) files.
- Import [ER Mapper ECW](#) image files.
- Export plots to CSV or DAT [XYZ Points](#) files.
- Import [LAS LiDAR Binary](#) files in uncompressed (.las) and compressed (.laz) format.
- Import [GPX GPS Exchange Format](#) files.
- Import multiple sheets from multi-sheet [Excel XLS, XLSM, XLSX files](#) at the same time.
- [Save](#) multiple open worksheets to a multi-sheet Excel XLSX file.
- Import a selected subregion of a [SID](#) image file.
- Specify whether to render marker symbols or export points when exporting [DXF](#) files.
- Open and save [MID](#) files in the worksheet.
- Improved resolution for copied/pasted [EMF](#) clipboard files.

Automation

- Create and edit [ternary bubble plots](#).
- Create and edit [color scale titles](#).
- Convert [Numbers to Text](#) and [Text to Numbers](#) in the worksheet.
- [Reverse](#) nodes in a color spectrum.
- [Save](#) multiple open worksheets to a multi-sheet Excel XLSX file.
- [Distribute](#) objects horizontally or vertically with equal spacing.
- Plot bar chart [groups adjacent](#) to one another and specify the [gap](#) between groups.
- Map a Color Gradient to specific [minimum](#) and [maximum](#) values or to the plot limits [automatically](#).
- Create horizontal box-whisker [graphs](#) and [plots](#).
- Change the legend [entry order](#).

See Also

[Introduction to Grapher](#)

[Three-Minute Tour](#)

[Grapher Tutorial Introduction](#)

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