

Grapher 22 Version Info

Grapher 22.1.333 (October 12th, 2023)

New Features and Improvements

- Automation: polar function plot switching between types doesn't recalculate points well
- Box plot message dialog type and behavior change
- Code improvement: std::jthread to create texture patterns in parallel for 3D drawing.
- Create tags for 3D Pie Chart.grf and Stacked + Adjacent Bar Charts.gpj
- Data Filter: have some indication it is being used without having to enter the dialog
- Don't remove fit plot if there is no worksheet for its owner line plot when loading a .GRF file
- Fit plot is empty when it doesn't cover any part of the owner plot due to default clipping to Axis
- Graph Gallery: Improve loading speed
- Graph Gallery: mouse scroll should jump two lines, not three
- Link Axis: when spacing is unlinked, it should revert to Auto, not Custom
- New Sample Files: v22
- Performance improvement: Build axis position calculator in advance to reduce overhead and improve performance
- Performance improvement: speed up the line plot points building
- Performance improvement: Speed up the process of accumulating unaccounted data extents for axes
- Remap Worksheets: display file name before path in Worksheets in use column
- Welcome dialog: include worksheets in recent files

Fixes

- Automation: an error encountered in creating a polar function plot still creates the graph
- Automation: can't create plots from data if script gets paused or interrupted
- Automation: Move does not honor page boundaries the same as Top and Left
- Automation: PDFv Export created by script has different clipping than the GRF created by the same script
- Automation: PlotType does not update after converting a 3D graph to a 2D graph
- Automation: Recorder delays or skips some buffered records when multiple records are constructed
- Automation: Running recorded scripts gives different results when changing data in rows for 3D histogram showing labels
- Automation: specify printer not working with script axis is missing labels when labels are determined by a worksheet column and the axis is on a probability scale
- Axis linked length: undo does not restore previous state
- Bar/Histogram Groups: Groups adjacent feature does not work if the first group is not being used.
- Class Scatter Plot is created with named classes for numeric data ignoring defaults
- Color Scale - Label background fill only displays if Label Position is not equal to 0
- Crash when assigning worksheet to plot via the Property Manager (Grapher_exe+9869056)
- Crash when undoing and redoing Durov plots (Grapher_exe+2865075)
- Date/time axis spacing: labels are incorrect when using fractions of date units
- Distribute in Margins: distributes objects outside of margins
- Error bars: shows incorrect type for custom negative direction (reverts to 'average value only')
- GPJ files aren't opening the same in G21 (e.g. custom data limits/clipping not honored)
- Histograms: Don't reset bins when changing immaterial data columns

- Image fills aren't opening in G19
- Import graphic: GPX file imports with large symbols
- Layout: position does not honor larger than standard custom page size bounds
- Math plot: when plots are renamed, equation does not update correctly
- Problem Printing 3D Plots/Diagrams in Grapher
- Prompted to open a worksheet for Tick Labels when opening a GPJ
- Recorder: confidence plot records without Upper/Lower prefixes
- Recorder: creating polar function graph results in error 'Parameter not optional'
- Recorder: DisplayWorksheet is not available for pie charts
- Recorder: don't reuse existing object names
- Recorder: incrementing slices on an empty pie chart causes Standard Library error: invalid string position
- Ribbon Plot: negative error bars don't show
- Running average and Weighted average fit types data are not exported correctly
- Some patterns (index 2 - 70) in 3D drawing were drawn upside down
- Step Plot: Draw Plot to Clipping Limits Gives Unexpected Results
- Symbol Properties: can't change fill properties when numeric color variable is used with missing data
- Symbol properties: plot limits don't expand when changing average value symbol size
- Toggle Visibility is always grayed out
- Undo added when deleting axis even if axis is not actually deleted

Grapher Beta1 22.0.173 (March 9, 2023)

New Features and Improvements

- Label/numeric format: rounding: 5 should be rounded up

Fixes

- CSV Import: data after special characters that should stop import, were still imported
- Crash when creating plot