New Features

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

General

- Added the ability to change default settings for all objects via a new **Preferences/Default Settings** dialog using a **Property Inspector**-type interface.
- Added the ability to add dynamic fields to plot header and footer fields.
- Added the ability to select No to all option when loading a plot with missing worksheet.
- Added a *Use this worksheet for remaining items* option when loading a plot with a missing worksheet.
- Added the ability to set the background fill for a page displayed in the plot window. This fill does not export or print.

Editing

- Edit multiple graph objects at once.
- Drawing objects, e.g., rectangles and ellipses, now support gradient fills.

2D Graphs

- New 2D vector plot (X,Y start location and magnitude/angle or X,Y start position and X,Y ending position required)
- Added support for filling each bar a different color for bar charts, floating bar charts, and histograms.

3D XYY Graphs

- Added support for filling each bar a different color for bar charts, floating bar charts, histograms, bubble plots, and polar bar charts.

3D XYZ Graphs

- Added Z drop lines for 3D XYZ plots.
- Added a curve projection onto any of the graph walls for 3D XYZ line/scatter plot.
- Added support for filling each bar a different color for bar charts, floating bar charts, and histograms.
- Added a 3D XYZ floating bar chart.

Contour Maps

- Create XY and XZ contour maps using any data file. Data files are processed with an inverse distance algorithm.
- Export gridded plot data to a **Surfer**® -compatible grid file.
- Create contour maps using any **Surfer** [.GRD] grid file.

Surface Maps

- Create XY and XZ surface maps using any data file. Data files are processed with an inverse distance algorithm.
- Export gridded plot data to a **Surfer**-compatible grid file.
- Create surface maps using any **Surfer** [.GRD] file.
- Create surface maps using any function in the form Y=f(X,Z).

Labels

- Position labels at the bottom or top of bar charts.

Graphing Features

- Add confidence intervals with fit plots for line/scatter, step, and histogram plot curves.
- Added a step setting for grid lines.

- Added gradient fills using [.CLR] files to most graph types.
- Added the ability to fill for function plot.
- Modified graph "fill betweens" to allow as many fills as desired.
- Added the ability to use a range of NULL criteria, e.g., NULL values range from -9999 to -99.
- Added the ability to set a background fill for most graph types. Fill is drawn to axis extents, and does print/export.

Legends

- Added an option to draw a shadow box behind the legend box.
- The default setting for a legend symbol can now be set via the new **Preferences/Default Settings** dialog.

Axes

- Added the ability to split long axis labels into multiple lines by setting a maximum label width. Text exceeding the maximum width wraps to the next line.
- Added the ability to display only a portion of polar plots as specified by a start angle and an end angle.
- Polar plot radius axes may now be set at any angle within the plot.

User Interface Features

- Some dialogs can now be resized.
- All dialogs now track their position.
- List controls with header fields now save the size of each header column.
- New visual looks for the application, e.g., Office 2003 look, can be chosen by the user via the **Preferences/Default Settings** dialog.
- Improved 3D rotation using the mouse via a virtual trackball method.