



DeltaGraph[®]

- VS -

Excel[®]

R E D R O C K

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DeltaGraph® 5.4 Windows vs. Microsoft® Excel

Summary: DeltaGraph® specializes in the visualization and presentation of complex data sets, allowing users to share results in colorful print and Web-ready images. DeltaGraph helps users as they analyze and present research by providing analysis tools, an extensive variety of charts, powerful customization capabilities and flexible export options.

DeltaGraph includes 85 customizable charts and graph, while Excel includes only 26. (See Table 1. DeltaGraph v. Excel Charts)

Table 1. DeltaGraph vs. Excel Charts

Chart Type	DeltaGraph	Excel
Column	✓	✓
Column Stacked	✓	✓
Column Percent	✓	✓
Column 3-D	✓	✓
Bar	✓	✓
Bar Stacked	✓	✓
Bar Percent	✓	✓
Line	✓	✓
Line Stacked	✓	✓
Line Percent	✓	✓
Pie	✓	✓
Scatter	✓	✓
Area	✓	✓
Area Stacked	✓	✓
Area % Stacked	✓	✓
Doughnut	✓	✓
Radar	✓	✓
Surface 3-D	✓	✓
Wireframe 3-D	✓	✓
Contour	✓	✓
Wireframe Contour	✓	✓
Bubble	✓	✓
High-Low-Close	✓	✓
Open-High-Low-Close	✓	✓
Volume-High-Low-Close	✓	✓
Volume-Open-High-Low-Close	✓	✓
59 Additional Chart Types*	✓	✗ Not Available

* Please See Appendix A for a comprehensive list of additional chart types available only in DeltaGraph.

Chart 1. DeltaGraph vs. Excel Comparison of Number of Charts

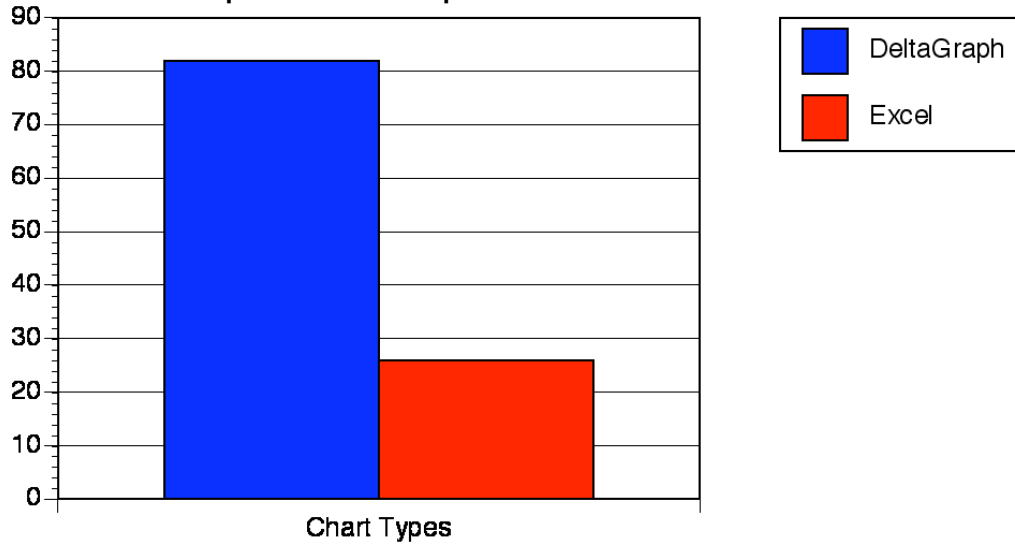


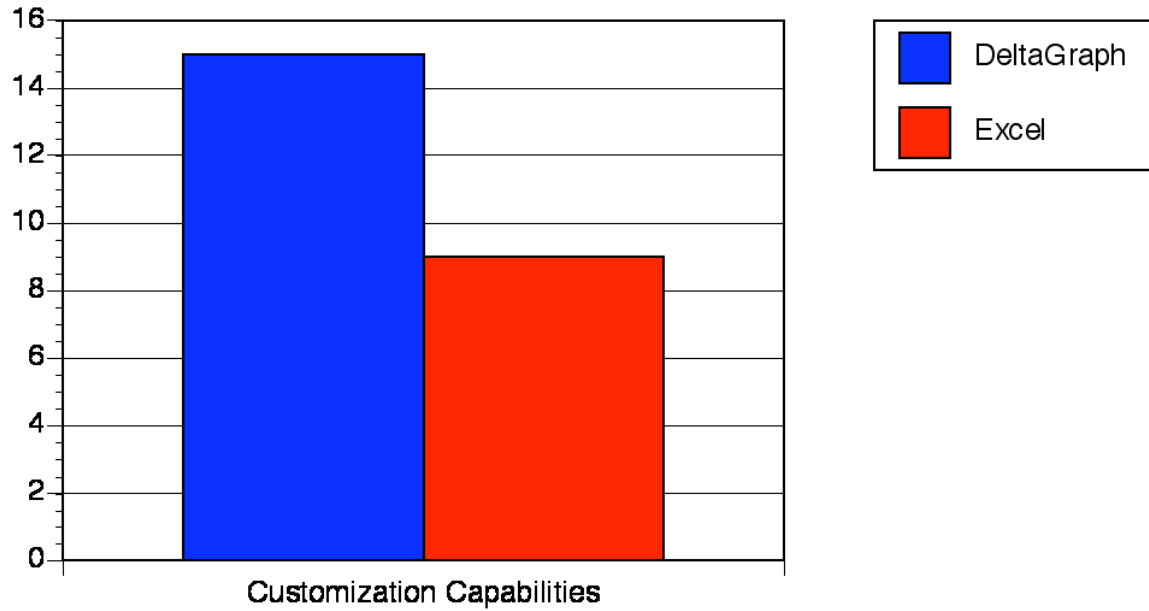
Chart Customization Capabilities

DeltaGraph comes with a comprehensive set of chart customization capabilities that further set it apart from Excel. With these key customization features, users may tailor charts and graphs for a specific audience, save time between analysis and publication and improve the overall presentation workflow. (See Table 2 DeltaGraph v. Excel Customization Capabilities - Specific details of each feature can be found in Appendix B.)

Table 2 DeltaGraph vs. Excel Customization Capabilities

Customization	DeltaGraph	Excel
Set Export Resolution	✓	✗ Not Available
PANTONE™ Color Matching	✓	✗ Not Available
Create a Custom Layout	✓	✗ Not Available
Create a Custom Template	✓	✗ Not Available
Create Custom Background	✓	✗ Not Available
Unique Rulers & Grids	✓	✗ Not Available
Text – Size, Color, Font	✓	✓
Title	✓	✓
Axis	✓	✓
Gridline	✓	✓
Legend	✓	✓
Data Labels	✓	✓
Drawing Tools	✓	✓
Patterns	✓ more options	✓
Symbols	✓ more options	✓

Chart 2. DeltaGraph vs. Excel number of chart customization features



Regression Analysis / Curve Fitting

DeltaGraph includes linear and non-linear regression tools for analysis. These are must-have tools for any scientists conducting data analysis. (See Table 3. DeltaGraph vs. Excel Regression Analysis)

Table 3. DeltaGraph vs. Excel Regression Analysis

Regression Tools	DeltaGraph	Excel
Non Linear Regression*	✓ Unlimited, ships with 16 formulas	✗ Not Available
Linear	✓	✓
Polynomial	✓	✓
Power	✓	✓
Spline	✓	✓
Exponential	✓	✓
Logarithmic	✓	✓
Moving Average	✓	✓

*Please see Appendix C for a brief description of non-linear regression and its importance.

Chart 3. DeltaGraph vs. Excel number of Regression Tools Available

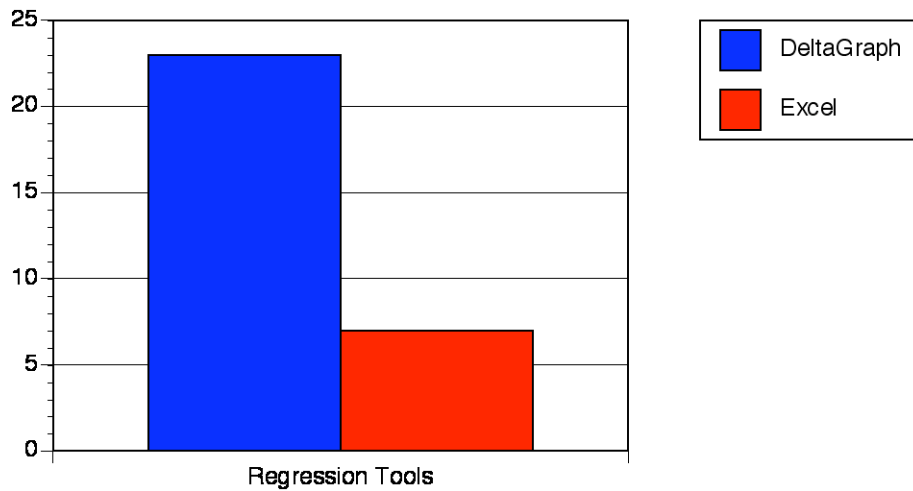


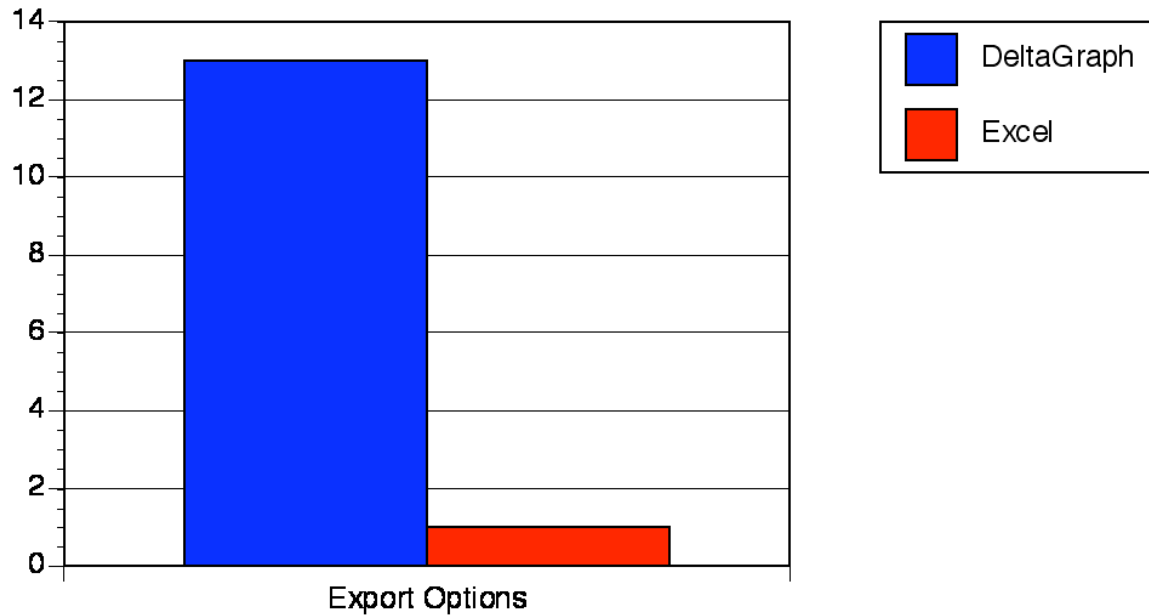
Chart Export Options

DeltaGraph exports a variety of file formats allowing a great deal of flexibility for publication and presentation of data results. Many users export the images created by DeltaGraph for use in applications such as Adobe Photoshop, Illustrator or Quark to further refine and prepare the images for publishing in print or on the Web. With these options, DeltaGraph optimizes the presentation workflow. (See Table 4. DeltaGraph v. Excel Chart Export Options)

Table 4. DeltaGraph v. Excel Chart Export Options

File Format	DeltaGraph	Excel
JPG	✓	✗ Not Available
PSD	✓	✗ Not Available
EPS	✓	✗ Not Available
TIF	✓	✗ Not Available
WMF	✓	✗ Not Available
EMF	✓	✗ Not Available
BMP	✓	✗ Not Available
PCT	✓	✗ Copy/Paste Only
TGA	✓	✗ Not Available
SGI	✓	✗ Not Available
QTIF	✓	✗ Not Available
PNG	✓	✗ Not Available
PNTG	✓	✗ Not Available

Chart 4. DeltaGraph v. Excel Chart Export Options



Who uses DeltaGraph?

Scientists and Researchers who need linear and non-linear regression tools for data analysis; the ability to print poster-sized charts for conferences; who collaborate with colleagues using charts and most importantly, who need to submit professional-quality charts for publication.

Businesses, small and large who need to visualize their data for better presentation and analysis; who provide sales reports, weekly and monthly inventory reports, quarterly and annual business reports – all of which may require unique chart types. DeltaGraph has the chart variety to address just about any business and technical need.

Graphic Designers who work with technical information and need the ability to create eye-catching charts without much manipulation and who need quality images to use in programs like Illustrator and QuarkXpress for brochures, pamphlets and technical books. DeltaGraph allows designers to export their charts in a variety of resolutions (up to 300 dpi DeltaGraph 5.4 Windows) and in a variety of formats to fit their specific needs.

Appendix A – Complete List of Chart Types – Bold Type denotes DeltaGraph only chart.

1. **3-D Area**
2. 3-D Column
3. **3-D Ribbon**
4. 3-D Surface Fill
5. 3-D Wireframe
6. **3-D XYZ Scatterline**
7. **3-D XYZ Surface Fill**
8. 3-D XYZ Surface Line
9. Area
10. Area Percent
11. Area Stacked Percent
12. Bar
13. **Bar-Floating**
14. **Bar-Floating Stacked**
15. **Bar-Line-Floating Stacked Overlay**
16. **Bar-Line Stacked Overlay**
17. **Bar-Segmentation**
18. Bar-Stacked
19. Bar Stacked Percent
20. **Bar-Stacked Segmentation**
21. **Box**
22. Bubble
23. **Build-Up**
24. **Build-Up-Stacked**
25. Column
26. **Column-Floating**
27. **Column-Floating Stacked**
28. **Column-Line Floating Stacked Overlay**
29. **Column-Line Stacked Overlay**
30. **Column-Segmentation**
31. Column-Stacked
32. Column Stacked Percent
33. **Column-Stacked Segmentation**
34. **Combination (overlay)**
35. **Contour Fill**
36. **Contour Line**
37. **Double X axis**
38. **Double Y axis**
39. **Double X/Double Y axis**
40. **High Low**
41. High Low Open Close "Candlestick"
42. High Low Open Close "Whisker"
43. **Intensity Scatter**
44. **Intensity Scatter-Paired**
45. Line
46. Line Stacked
47. Line Stacked Percent
48. **Line-Filled**
49. **Paired Scatter**
50. **Paired XY Line**
51. **Pictograph**
52. **Pie-Donut**
53. **Pie-Multiple**
54. **Pie-Stacked**
55. Pie-Standard
56. **Polar**
57. **QC-(X bar-r)**
58. **QC-(X bar-s)**
59. **QC-(p)**
60. **QC-(pn)**
61. **QC-(c)**
62. **QC-(u)**
63. **Range**
64. Scatter
65. **Spider**
66. Spider-Radar
67. **Survival**
68. **Stat-Histogram**
69. **Stat-Ogive**
70. **Stat-Pareto**
71. **Step**
72. **Table**
73. **Ternary**
74. **Ternary-Percent data**
75. **Timeline**
76. **Vector-Gridded**
77. **Vector Radius/Angle**
78. **Vector-XY**
79. Volume-High-Low-Close
80. Volume-Open-High-Low-Close
81. **XY Column**
82. **XY Line**
83. **XY Scatter with optional drop lines**
84. XYZ Contour Fill
85. XYZ Contour Line

Appendix B – Customization Capabilities

1. **Set Export Resolution** – This is important for users who would like to use their charts in a variety of media. DeltaGraph 5.4 Windows exports up to 300 dpi, DeltaGraph 5.5 Mac up to 1200 dpi.
2. **PANTONE™ Color Matching** - Corporations invest significant money in logos and colors that uniquely represent their image to the world. Red Rock Software has licensed PANTONE™ color matching to give corporations the features they need to make sure their print design meets their standards.
3. **Create a Custom Layout** - DeltaGraph ships with several common layout formats for your charts including; Title and Chart; Title, Bullet Text and Chart; Title and Two Charts, etc. But you also have the power to create your own layout to fit your needs. Put the “Title” box where you like, add a graphic box for an image or put four charts on a page, it is your choice in DeltaGraph.
4. **Create a Custom Template** - For anyone who has repetitive experiments or reports to create involving charts this is a hug time saver. Users can create templates once with the proper text, axis, colors, etc., then save customizations as a template to use with new data in next month’s report. Users simply need to drag and drop templates on the new data set to apply all the customizations saved in a template.
5. **Create a Custom Background** – Images may be imported in DeltaGraph for use as a background for a chart or graph. These backgrounds add interest to any presentation or print out. Users may also import images to use in DeltaGraph’s “Pictograph” chart, where an image represents the data rather than a standard column or bar.
6. **Rulers & Grids** -- The ability to size a chart using a variety of measurements is important for users who are submitting work for publication in a variety of print media. DeltaGraph provides rulers in Inches, Centimeters, Points, Picas and Ciceros.

Appendix C – Non-Linear Regression

Regression analysis, made possible by user defined curve fits in DeltGraph®, offers a tremendous amount of freedom in modeling the range of possible results derived from data analysis. A "Linear" curve fit uses only addition and multiplication and takes two parameters a and b . The results derived from such linear curve fittings may be viewed as less accurate. To better model a more predictable outcome of data sets, non-linear regression or user-defined curve fits are used. DeltaGraph’s user-defined curve fits allows users to create a more robust model by allowing any of the operators, any of the functions (with a few restrictions on the arguments for some functions), and any number of parameters (including variable raised to powers, log, sine, etc).