

Graph Paper Maker

Version 1.1.0 - July 28, 2006

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<http://www.blackcatsystems.com/software/graphmaker.html>

Introduction

Graph Paper Maker lets you create your own custom sheets of graph paper. You have complete control over the graph characteristics:

- X and Y axis can independently be set for linear or log scale
- Selection from a dozen standard paper sizes, or custom create your own
- Graphs are saved as pdf files, you can print them whenever you wish
- Choose whatever color you want for the lines
- Specify independent line weights for the X and Y axis lines
- Specify the range and spacing of axis labels

Producing a Graph

First, select the size of the paper the graph is to be printed on. Either select one of the standard paper sizes from the popup menu, or select Custom, and then enter the size of the paper in the two boxes to the right, width and then height. You can enter either inches or mm, just be sure to select the correct units from the popup menu below.

Next select the paper layout, either portrait or landscape. Note that if you select a custom paper size and landscape, it will swap the width and height.

Select the units to use, either inches (in) or millimeters (mm). These units are used for the custom paper size as well as the number of lines.

Normally the X and Y Scale values are left at the default 100 (percent) value. You can change them if your printer does not correctly print out the graph, and you need to adjust the scaling.

Select the color you wish to be used to draw the lines, if you want something other than black. Click on the box to the left of the word Color to bring up the color picker.

For both the X and Y axis, specify the number of lines you want drawn per unit (per inch or per mm). Also specify the line weight, larger numbers produce thicker lines. Numbers less than 1 can be used.

The major scaling value specifies the distance, in lines, between lines with a heavier (thicker) weight, and the major weight values specifies what that weight is. You can select a unique color for the major scale lines as well.

Enter in the desired margin widths.

You then specify whether you want that axis to be linear or log. If log, you can specify how many decades to display. Note that in log mode, the lines per unit entry is ignored.

If you have the Show Axes option checked, you can specify details about the X and Y axis scaling. For each axis, you can specify the minimum (starting) value, as well as the step and spacing. Here is how these values work:

The minimum value is the first value printed on the axis, on the far left for the X axis and the bottom for the Y axis. The step value specifies the spacing between lines. A value of 1 means that that axis increments by 1 each grid line. The spacing value specifies how often the axis scale value should be printed (since if they are printed too close together, they might overlap). A value of 5 means that they are printed every 5 grid lines.

You can also specify the line weight for the two axis (generally to make them more prominent), as well as the size of the text for the scaling.

Now click the Generate button, and pick the name to save the file under. That's it!

Since the produced file is a pdf file, you can save it, and print it out any time you'd like, without having to run the program again, or send it to someone else.

There are a lot of options to set, which allow you to highly customize your graph. It may take a little experimentation to find the precise values that result in the desired output. Also, certain printers may have scaling issues that could cause lines to not appear in exactly the correct locations.

Obtaining Graph Paper Maker

You can download the latest copy of Graph Paper Maker from this URL:
<http://www.blackcatsystems.com/software/graphmaker.html>

Please feel free to write to us with any questions or comments you may have: info@blackcatsystems.com

Buying Graph Paper Maker

Until you buy (register) your copy of Graph Paper Maker, it will print a watermark on the pdf files.

Graph Paper Maker Version History

1.1.0 July 28, 2006

Can specify the X and Y axis scale starting values and increments and line weight.

Can adjust the horizontal and vertical scaling to deal with printer inaccuracies.

Can set the major grid spacing and line weight

Major divisions can be a unique color.

Independent horizontal and vertical margins.

1.0.1 July 21, 2006

Initial Release

1.0.0 July 21, 2006

Initial Release

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