



ptc[®] mathcad prime[®]

What's New
5.0.0.0

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PTC Inc., 140 Kendrick Street, Needham, MA 02494 USA

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Overview of PTC Mathcad Chart

There is a new 2D plot application for creating and formatting 2D plots.

User Interface Location: Click **Math** ► **Chart Component**.

Release: PTC Mathcad Prime 5.0.0.0

Benefits and Description

You can perform the following actions with the new 2D chart application:

- Insert one or more chart components into your worksheet.
- Send plot data to those components.
- Open the PTC Mathcad Chart application by double-clicking the plot area of a chart component. The chart application is activated out-of-place, to access comprehensive options for plot formatting.

This new chart component and chart application are provided with existing Mathcad plotting to provide flexibility on how you want to present data in the worksheet. For example, you can create quick plots to check spot data or fully formatted plots to convey the information to the consumer of the worksheet.

The PTC Mathcad Chart topics that follow, provide details on some of the new areas of plot functionality that are available in the chart application.

2

Formatting Axes in PTC Mathcad Chart

You can format axes, tick marks, and values for tick marks.

User Interface Location: Options on the left panel in PTC Mathcad Chart

Release: PTC Mathcad Prime 5.0.0.0

Benefits and Description

Full formatting for axes is available for 2D plots using the new chart application. You can format the axes to appear in any color, and select the style and thickness. Add and format tick marks to change the font, style, size, angle, and the offset of the values for the tick marks.

3

Add Titles and Legends in PTC Mathcad Chart

Add titles and legends to your 2D plot, to add context to your data.

User Interface Location: Options on the left panel in PTC Mathcad Chart

Release: PTC Mathcad Prime 5.0.0.0

Benefits and Description

Add a chart title, axis titles, and a legend to your chart. You can select the location of the text. You can add a border around the text, format the border, and change the color of the background. You can also format the text in any font, color, and size, and set at an angle to the plot. For legends, trace names and colors are included automatically in the legend area.

4

Add a Second Y Axis in PTC Mathcad Chart

You can add a second Y axis to your plot that includes all formatting options available for the first Y axis.

User Interface Location: In PTC Mathcad Chart, click **Axes**.

Release: PTC Mathcad Prime 5.0.0.0

Benefits and Description

To add traces to an existing plot that uses a different scale of Y values, you can add a second Y axis. All formatting options available to the original Y axis are available to the second Y axis. This includes axis color and style, tick mark formatting, and adding and formatting an axis title.

5

Add Gridlines in PTC Mathcad Chart

You can add gridlines to your plot and change their color, style, and thickness.

User Interface Location: Options on the left panel in PTC Mathcad Chart

Release: PTC Mathcad Prime 5.0.0.0

Benefits and Description

There are several options for adding and formatting gridlines in your plot. Add grid lines on a per-axis basis at major and minor tick marks. Change the color, style, and thickness of gridlines to format the background of the plot to suit your needs.

6

Control Plot Look and Feel in PTC Mathcad Chart

You can add a border and change the background color for a plot.

User Interface Location: Options on the left panel in PTC Mathcad Chart

Release: PTC Mathcad Prime 5.0.0.0

Benefits and Description

You can control the look and feel of the chart. Add a border to the chart, the plot area, or both, and then change the color, style, and thickness of that border. Add a fill to the background of those areas, and choose a color, color gradient, and opacity for that background. This helps to make the data stand out in your worksheet.

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The Help Center Defaults to Ptc.com

Help for PTC Mathcad Prime 5.0.0.0 defaults to the Help on Ptc.com, making it more accessible.

User Interface Location: Help on Ptc.com

Release: PTC Mathcad Prime 5.0.0.0

Benefits and Description

When you press F1 or click the Help button in PTC Mathcad Prime 5.0.0.0, your internet browser opens to the Help on Ptc.com. This is the default. The PTC Mathcad Prime 5.0.0.0 Help on Ptc.com supports the copying and pasting of math into your worksheet. Having the Help on Ptc.com makes it easier to make updates outside of the release schedule. If you prefer, you can install the Help and access the Help locally.