



ptc[®] mathcad prime[®]

PTC Mathcad Prime 6.0.0.0
What's New
6.0.0.0

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

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What's New in PTC Mathcad Prime 6.0.0.0

In this section, find topics introducing the enhancements in this release.
Enhancements are categorized by functional area.

- Custom Margins, Header and Footer Sizes
- Spell Check
- Hyperlinks in Text
- Chart Application Enhancements
- Usability Enhancements
- New Symbolic Engine

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Custom Margins, Headers and Footer Sizes

Set custom left and right margin sizes and header and footer sizes in your worksheet.

User Interface Location: Click **Document** ► **Margins** ► **Custom Margins**.

Release: PTC Mathcad Prime 6.0.0.0

Benefits and Description

If you need to use left and right margin sizes or header and footer sizes that are different than the default options provided, you can now set those using the **Custom Margins** size option. That option allows you to set both left and right margin and header and footer sizes either the same or different values with unit system based on the paper type selected.

For convenience, a new **Legacy** default margin size has been added to accommodate the margins, header and footer sizes used in legacy Mathcad worksheets. If you used custom margins, header and footer sizes in your legacy worksheet, the converted worksheet will now reflect that custom setting.

All in all, there are now three new margin settings in the **Margins** menu – **Last Custom Setting**, the last set custom sizes, **Custom**, the custom setting of the current worksheet if different from the last set custom sizes, and **Legacy**, the default margin sizes of the legacy Mathcad worksheet.

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Spell Check

Check the spelling of words in your worksheet.

User Interface Location: Click **Text Formatting** ► **Spelling**.

Release: PTC Mathcad Prime 6.0.0.0

Benefits and Description

PTC Mathcad Prime 6.0.0.0 now includes the ability to check the spelling of text in text regions in your worksheet.

The Spell Check functionality is set on by default so as you type text, misspelled words will be flagged. Right click on misspelled words provides a list of correctly spelled options and the ability to ignore this instance of the misspelled word or you add the word to your Mathcad dictionary, so it doesn't get flagged again.

We have also added the ability to change the proofing language used to spell check the text – this can be done at a word, text region, or worksheet level. With multiple language packs installed, text written in two or more different languages can be spell checked in those languages. You can also change all the text in a worksheet that was created using multiple keyboards to use only one proofing language.

Note

Spell Check is optimized for use with Windows 10. If you run Prime 6.0.0.0 on an earlier version of Windows, you will find reduced language support.

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Hyperlinks in Text

Add URL, email or file location external links in your text.

User Interface Location: Click **Text Formatting** ► **Links** and in RMB.

Release: PTC Mathcad Prime 6.0.0.0

Benefits and Description

Text regions in your worksheet are used to define and explain the math being calculated. With PTC Mathcad Prime 6.0.0.0 you can now add links to text in those text regions.

In a text region you can now select a word or selection of words and assign a link to that selection, for example to a web page, an email client or a file location. You can write a URL into your text region and it will be recognized as a link. Through the UI you can choose the text to display for the link or choose to remove the link.

Adding the ability to link to content outside of your worksheet allows you to greatly expand the detail of your worksheet.

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Chart Application Enhancements

Mathcad Chart Application enhancements include save plot as image, direct Help links, zoom in Chart Application and expanded default chart templates.

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

Release: PTC Mathcad Prime 6.0.0.0

Benefits and Description

The Mathcad Chart Application already offers excellent 2D plotting functionality. With this release, several usability enhancements have been added to make it even easier to use.

First, we have added the ability to zoom in and out of the plot view in the chart application itself. This does not change how your plot looks in the Mathcad worksheet, but it allows you to focus on specific details in your plot in the chart application.

We have added several new default chart templates to allow you to select more commonly used plot formats with one click.

Help can now be accessed directly from the chart application.

You can now save your plot from within the chart application as an image – giving you the ability to export your plot and use that image in third party applications.

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Usability Enhancements

Usability enhancements include Find/Replace text in text (including subscript), expanded print options and Save As API command.

User Interface Location: See description of updated functionality below.

Release: PTC Mathcad Prime 6.0.0.0

Benefits and Description

Find/Replace in Mathcad worksheets now includes the ability to find and replace individual subscripts or find and replace individual portions of an existing identifier. This makes it much easier to change subscripts or manage the identifiers used in your worksheet.

Under **Print** you can now choose to print a previously selected portion of your worksheet or set a range of pages to print, giving you flexibility in your choice of printed content.

Using the API, you can now programmatically 'Save As' for the worksheet, allowing you to, for example, save your worksheet via API command as a PDF document.

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New Symbolic Engine

PTC Mathcad Prime 6.0.0.0 introduces a new symbolic engine.

User Interface Location: N/A

Release: PTC Mathcad Prime 6.0.0.0

Benefits and Description

PTC Mathcad Prime 6.0.0.0 introduces a new symbolic engine that will eventually replace the legacy symbolic engine. This new symbolics engine will be used by default in your worksheet, though you may switch back to the legacy symbolics engine from the **Calculation Options** menu for this release.

The new symbolics engine will cover all the same functionality that was available with the legacy symbolics engine but will allow for more flexibility in adding user driven functionality and enhancements moving forward.

 **Note**

The new symbolic engine in PTC Mathcad Prime 6.0.0.0 operates to a specific set of calculation rules and as such differs in several ways from the legacy symbolic engine in previous versions of PTC Mathcad (please refer to Help documentation for information on some of those differences). For this purpose, the legacy symbolic engine is also available in this release (it will be removed in a future release). It is recommended that you review the results of your symbolic calculations using the new symbolic engine and if you encounter an issue that prevents you from using it, switch back to the legacy symbolic engine and report the issue to PTC via technical support. PTC appreciates and will actively review all feedback to determine what changes need to be made in future releases of Mathcad to make sure the new symbolic engine is functionally rich for all users.
