



Read This First

Mathcad Prime

6.0.0.0

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Mathcad Prime 6.0.0.0

Mathcad Prime 6.0.0.0 Is Available for Installation

PTC Introduces PTC Mathcad Prime 6.0.0.0

Design the next generation of products with PTC Mathcad Prime 6.0.0.0. Bring your engineering calculations to life more effectively than ever. Take advantage of new documentation, productivity and usability functionality in this release, including custom margin, header and footer sizes, spell check and hyperlinks in text. Enhancements to the 2D plotting application make 2D plots easier to create and a new symbolics engine is introduced in this release that will allow for more flexibility in adding user driven functionality and enhancements moving forward.

For more information, see [What's New in PTC Mathcad Prime 6.0.0.0](#) in PTC Mathcad Help, or click [PTC Mathcad Prime 6.0.0.0 What's New](#).

Using PTC Mathcad Express Prime 6.0.0.0

PTC Mathcad Express Prime 6.0.0.0 is a free version of the product with selected features. After the installation of Mathcad Express, you can explore the full capabilities of the commercial product for 30 days. After that period, you can use only the selected features indefinitely.

In PTC Mathcad Express, a watermark is displayed across the back of your worksheet, and functionality not included in Express will be displayed as locked from use – clicking on this functionality will give you information on its benefits. There is an **Upgrade** button to allow you quick access to purchase a full license if you wish. If you do so, the watermark disappears, and you will have immediate access to all functionality.

Installation

For the most up-to-date installation information, see the *PTC Mathcad Prime 6.0.0.0 Installation and Administration Guide*. In the PTC Installation Assistant, click **Help** or browse for the guide on the [Reference Documents](#) page.

You can install PTC Mathcad Prime 6.0.0.0 side-by-side with any previous version. For installing PTC Mathcad Prime 6.0.0.0 side-by-side with an earlier release of PTC Mathcad Prime, the following limitations apply:

- PTC Mathcad Prime 6.0.0.0 runs only on the 64-bit edition of Windows.

- You must install the products in an ascending order (PTC Mathcad Prime 1.0 and then PTC Mathcad Prime 6.0.0.0, for example) to maintain the worksheet file associativity with the latest release.
- If you have installed two releases, by default Mathcad files open with the latest release. To open files in an earlier release, you must manually set file association. In Windows Explorer, right-click a file, select **Open with**, and then click the desired program from the shortcut menu.
- After you install PTC Mathcad Prime 6.0.0.0, integration with Windchill® Workgroup Manager, Pro/ENGINEER®, Creo® Elements/Pro®, and Creo Parametric® will no longer work with earlier releases of the product.
- If you registered PTC Mathcad Prime 5.0.0.0 or earlier with Windchill Workgroup Manager, then you must repeat the registration with PTC Mathcad Prime 6.0.0.0. Use the Application Management utility.
- If you have one or more releases of Mathcad installed on your computer, you can remove one or all of them. You must uninstall them in descending order, and then reinstall them in ascending order.
- After installing PTC Mathcad Prime 6.0.0.0, you can only use the latest XMCD, MCD Converter to convert legacy Mathcad worksheets into PTC Mathcad Prime 6.0.0.0 worksheets.

Operating System Support

PTC Mathcad Prime 6.0.0.0 runs on the 64-bit edition of Windows 7, 8.1, and 10.

PTC Mathcad Prime 6.0.0.0 requires Microsoft .NET Framework 4.7.2 or a later, Microsoft certified compatible replacement version of .NET.

Note

Support for Windows 7 is ending – Microsoft stops support for Windows 7 after January 14, 2020. This means Microsoft will no longer support or provide security updates for Windows 7.

Installing Mathcad 15.0 M045 or Later

The installation of PTC Mathcad 15.0 M045 or later is a separate process. The installation process uninstalls any previously installed versions. You can download the latest release from <http://www.ptc.com/support/mathcad.htm>.

System Requirements and Hardware Certification Information

Visit the [Platform Support](#) page for PTC Mathcad Prime 6.0.0.0 for updated system requirements and certified hardware configurations.

Licensing

Full product licensing options include floating, locked, or registered-user volume licenses. All licenses must be renewed based on their subscription period, with the exception of existing perpetual licenses.

- A 30-day, full capability license can be used by any workstation on your network. After the 30-day period, the product reverts to PTC Mathcad Express Prime 6.0.0.0.
- Floating licenses can be used by any workstation on your network.
- Locked licenses can only be used on specified workstations.
- Registered-user licenses are administered from a license server. They are always allocated to a specific workstation, regardless of whether the workstation is running Mathcad at the time.



Note

For floating licenses, in addition to use of a single license server, PTC Mathcad Prime 6.0.0.0 supports the configuration of the triad license server.

For more information on licensing, see the *PTC Mathcad Prime 6.0.0.0 Installation and Administration Guide*.

Language Support

The PTC Mathcad Prime 6.0.0.0 user interface and documentation are translated into French, German, Italian, Spanish, Japanese, Korean, Simplified Chinese, Traditional Chinese, and Russian. During installation, the PTC Installation Assistant installs the product based on the language and locale settings of your computer. By clicking the **Customize** button, you can choose to install Help locally in any of the above languages.

You can change the Help path, including language specific folder, by opening PTC Mathcad Options, selecting the “Set the path for accessing Help at an alternate location” checkbox, and specifying the path to the alternate location.

To run the application in a language different from your operating system locale, such as running German on a Belgian system, follow the steps below:

1. Click the Windows Start button to access the Run dialog box or the command line.
2. To get the path, right-click the PTC Mathcad Prime 6.0.0.0 icon on your desktop. Click **Properties**, and copy the path that appears in the **Target** box. See below for an example of a path:

```
C:\Program Files\PTC\Mathcad Prime 6.0.0.0\MathcadPrime.exe
```

3. In the Run dialog box or at the command line, paste the path, including the quotation marks, press SPACEBAR and type /culture:<Command Argument>. You can find the Command Arguments for the languages in the table below. For example, to run Mathcad Prime in French, use the following command:

```
C:\Program Files\PTC\Mathcad Prime 6.0.0.0\
MathcadPrime.exe" /culture:fr-FR
```

Language	Command Argument
English	en-US
French	fr-FR
German	de-DE
Italian	it-IT
Japanese	ja-JP
Korean	ko-KR
Russian	ru-RU
Spanish	es-ES
Simplified Chinese	zh-CN
Traditional Chinese	zh-TW

To view system messages in a language other than English, you must download and install the .NET Framework language pack that matches the language you are using for PTC Mathcad Prime 6.0.0.0. The language packs can be found at:

[Microsoft .NET Framework 4.7.2 Language Pack \(Offline Installer\) for Windows](#)

Using Function Names and Keyboard Shortcuts in Supported Languages

For PTC Mathcad Prime 6.0.0.0, function names remain in English for all languages.

Keyboard shortcuts for certain commands do not work on non-English keyboards in PTC Mathcad Prime 6.0.0.0. You can access those operators and commands from the ribbon.

You can access the list of all keyboard shortcuts from the **Resources** tab in the ribbon.

Interoperability

PTC Product	Interoperability with Mathcad Prime 6.0.0.0
Creo Parametric	In addition to the existing Mathcad Prime Analysis Feature integration, PTC Mathcad Prime 6.0.0.0 includes the Engineering Notebook, powered by PTC Mathcad. With this functionality you can embed a Mathcad worksheet directly within a Creo Parametric part or assembly, and document design intent or critical engineering decisions within the model. Data can be shared between the embedded Mathcad worksheet and the model using the Creo Parametric user interface and relations to linked parameters. For embedded Mathcad worksheets, click Assign Inputs or Assign Outputs from the Integration group on the Input/Output tab to designate parameters to be shared with Creo Parametric.
Windchill Workgroup Manager (Windchill PDMLink®, Pro/INTRALINK®, Windchill ProjectLink™)	Work directly from Mathcad with these products. For example, you can check in and check out files to Windchill, and you can open and save your Windchill files from Mathcad.

Mathcad Prime 6.0.0.0 Help Center and User Guides

You can access the Help Center online in the language of your install system from within the application by pressing F1 or by clicking the question mark icon on the right end of the ribbon.

PTC Mathcad user guides can be found on the install DVD and via the Resources tab in the application itself. Local copies of the 10 supported languages can be optionally installed via the installation assistant.

Mathcad Prime provides direct access to many resources from the **Resources** tab on the ribbon.

To access PTC documentation from the Web, you must have a PTC account, or register for one at <http://www.ptc.com/appserver/common/account/basic.jsp>.

Firewall and Internet Issues

In few cases, PTC Mathcad Prime 6.0.0.0 may access the Internet:

- PTC Mathcad Prime 6.0.0.0 opens the online Help Center, located on a PTC web site, in the user's default web browser. If Help is installed locally, it will be accessed using the local file path. You can set an alternate location in the PTC Mathcad Options window.
- PTC Diagnostic Tools data reporting: PTC Mathcad Prime 6.0.0.0 performance and usage data is collected and transmitted to PTC servers via SSL. You can disable data reporting when using PTC Mathcad Prime 6.0.0.0 with a full license. When using either the 30-day, full capability license or PTC Mathcad Express Prime 6.0.0.0 (no license), this capability cannot be disabled.

Converting Files from Previous Versions of Mathcad

From PTC Mathcad Prime 6.0.0.0, you cannot directly open documents (mcd, xmcd, xmcdz) created with PTC Mathcad 15.0 or earlier. You must convert them using the PTC Mathcad Prime 6.0.0.0 XMCD, MCD Converter. PTC Mathcad 15.0 M045 or later must be installed on the computer.

Access the converter from the **Input/Output** tab or from the Windows Start menu. For more information on file conversion, see the *PTC Mathcad Prime 6.0.0.0 Migration Guide*.

Compatibility between Versions of Mathcad Prime

PTC Mathcad Prime 6.0.0.0 can open worksheets last saved in Mathcad Prime 1.0, 2.0, 2.0 M010, 3.0, 3.1, 4.0, 4.0 M010, and 5.0.0.0.

However, Mathcad Prime 1.0, 2.0, 2.0 M010, 3.0 and 3.1, 4.0 and 4.0 M010, and 5.0.0.0 cannot open worksheets last saved in PTC Mathcad Prime 6.0.0.0.

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