READ THIS FIRST
PTC® Mathcad® Prime® 3.0

Important Installation and Usage Information

Directory of Online and DVD-ROM Information

Platform Support	http://www.ptc.com/partners/hardware/current/support.htm
PTC Mathcad eSupport	http://www.ptc.com/support/mathcad.htm
Knowledge Base	http://www.ptc.com/appserver/cs/search/search.jsp
Reference Documents	http://www.ptc.com/appserver/cs/doc/refdoc.jsp

PTC Introduces
PTC Mathcad Prime 3.0

PTC is pleased to present PTC Mathcad Prime 3.0. This next-generation, engineering-calculation software combines unprecedented usability and a rejuvenated documentation focus. The release builds upon the power of Mathcad's traditional Whiteboard interface, functional depth, and units-management. See *PTC Mathcad Prime 3.0 What's New* for more information: http://www.ptc.com/appserver/cs/doc/refdoc.jsp.

Using PTC Mathcad Express Prime 3.0

PTC Mathcad Express Prime 3.0 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 Mathcad Express, a watermark is displayed in the footer of your worksheets. In addition, a message window on the right includes information on selected features, training, tips and tricks, as well as easy ways to purchase the commercial product. When you upgrade to the commercial product, the watermark disappears and you can choose to close the message window.

Migrating from Earlier Releases of Mathcad

For users of PTC Mathcad 15.0 and earlier, see the *PTC Mathcad Prime 3.0 Migration Guide*. Mathcad Prime 3.0 has significant differences from Mathcad 15.0 and does not support all its capabilities. The Migration Guide provides information and procedures for converting your worksheets to Mathcad Prime 3.0. You can use the converter for files from Mathcad 7.0 through 15.0.

Installation

For the most up-to-date installation information, see the *PTC Mathcad Prime 3.0 Installation and Administration Guide*. In the PTC Installation Assistant click **Help** or

Copyright © 2013 PTC Inc.

browse for the guide on the **Reference Documents** page at
http://www.ptc.com/appserver/cs/doc/refdoc.jsp.

Mathcad Prime 3.0 can be installed side-by-side with any previous version. For installing Mathcad Prime 3.0 side-by-side with an earlier release of Mathcad Prime, the following limitations apply:

- Mathcad Prime 3.0 comes in 32-bit and 64-bit versions. You cannot install both versions on the same computer. Install the version that matches your computer for maximum performance. Within PTC Installation Assistant click **Customize**. If you try to install both versions, the installer displays a message saying that Mathcad Prime is already installed and then copies over files from the previous installation.

- You must install the products in an ascending order (Mathcad Prime 1.0 and then Mathcad Prime 3.0, 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 Mathcad Prime 3.0, integrations with Windchill® Workgroup Manager, Windchill ProductPoint, Pro/ENGINEER®, Creo® Elements/Pro®, and Creo Parametric® will no longer work with earlier releases of the product.

- If you previously registered Mathcad releases Prime 2.0 or Prime 1.0 with Windchill Workgroup Manager, you must repeat the process and register Mathcad Prime 3.0. 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 Mathcad Prime 3.0, you can only use the latest XMCD, MCD Converter to convert legacy Mathcad worksheets into Mathcad Prime 3.0 worksheets.

Note to Users of Mathcad Prime 3.0 Alpha Version

You must uninstall alpha versions of Mathcad Prime 3.0 before installing Mathcad Prime 3.0.

Operating System Support

Operating System	Version
Microsoft Windows XP x32	Windows XP Professional x32 Edition SP3 and Windows XP Home Edition SP3, Internet Explorer 6.0 SP1 or later
Microsoft Windows XP x64	Windows XP Professional x64 Edition SP2, Internet Explorer 6.0 SP1 or later
Microsoft Windows Vista	Windows Vista Ultimate, Windows Vista Business, and Vista Enterprise, Base OS (x32 and x64 editions) and SP1, Internet Explorer 7.0

Operating System	Version
Windows 7[*]	Windows 7 Home Premium Edition, Windows 7 Professional Edition, and Windows 7 Ultimate Edition, Base OS (x32 or x64 editions), Internet Explorer 7.0 SP1 or later

[*] Mathcad Prime 3.0 requires Microsoft .NET Framework 4.0 or later. On Windows 7 client computers, Microsoft .NET Framework 4.0 is enabled by default. On Windows 7 servers, this feature is disabled and you must enable it through **Control Panel > Programs > Turn Windows features on or off**.

> **Note**: Windows 8 support is being assessed for a future release. More details can be found via the **PTC Mathcad eSupport** webpage.

Installing Mathcad 15.0 M010 or Later

The installation of Mathcad 15.0 M010 and 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 Mathcad Prime 3.0 for updated system requirements and certified hardware configurations:

http://www.ptc.com/partners/hardware/current/support.htm

Licensing

Full product licensing options include floating, locked, or registered-user volume licenses, all of which must be renewed on an annual basis.

- A 30-day, full capability license can be used by any workstations on your network. After the 30-day period, the product reverts to Mathcad Express Prime 3.0.
- 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 particular 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, Mathcad Prime 3.0 supports the configuration of the triad license server.

For more information on licensing, see the *PTC Mathcad Prime 3.0 Installation and Administration Guide*.

Language Support

The Mathcad Prime 3.0 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 select whether to install the Help according to the locale settings of your

computer or in all languages. Within the Help, you can choose to change the Help language.

To run the application in a language different from your operating system locale (e.g. to run German on a Belgian system), follow these directions.

1. Click the Windows Start button to access the Run dialog box or the command line.

2. To get the correct path needed for your 32-bit or 64-bit version, right-click the Mathcad Prime 3.0 icon on your desktop. Click **Properties**, and copy the path shown in the **Target** text box. As example path follows:

   `"C:\Program Files (x86)\PTC\Mathcad Prime 3.0\MathcadPrime.exe"`

   This path is for a 32-bit version of Mathcad Prime running on a 64-bit computer.

3. In the Run dialog box or at the command line, paste the path. Include the quotation marks at both ends, leave a space and type `/culture:` followed by a command argument for one of the languages shown in the next table. For example, to run Mathcad Prime in French using the path above, the following command would be used:

   `"C:\Program Files (x64)\PTC\Mathcad Prime 3.0\MathcadPrime.exe" /culture:fr-FR`

   Abbreviations for all languages follow:

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 Mathcad Prime 3.0. The language packs can be found at http://www.microsoft.com/download/en/details.aspx?id=3324.

Using Function Names and Keyboard Shortcuts in Supported Languages

For Mathcad Prime 3.0, function names remain in English for all languages.

Keyboard shortcuts for certain commands do not work on non-English keyboards in Mathcad Prime 3.0. You can access those operators and commands from the Ribbon.

You can access the list of all keyboard shortcuts from the **Getting Started** tab in the Ribbon and from the Books folder in the Help Center.

Interoperability

PTC Product	Interoperability with Mathcad Prime 3.0
Creo Parametric	Leverage Mathcad calculations within Creo geometry features by designating variables in Mathcad to be used by Creo Parametric input and output parameters. Asynchronously map Creo Parametric parameters and dimensions to Mathcad variables from within the Mathcad Analysis Feature interface within Creo Parametric. Within Mathcad, click **Assign Input** or **Assign Output** from the **Integration** group on the **Input/Output** tab to designate the target variables.
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 3.0 Help Center—Help and Books

The English language Help and books for Mathcad Prime 3.0 are on the DVD. You can download localized versions via the PTC Installation Assistant. You can access the Help Center by clicking the question mark icon on the right end of the Ribbon or by pressing F1. The following items are in Help Center:

- Searchable, context-sensitive Help
- Getting Started Tutorial
- Programming Tutorial
- Solving Tutorial
- Reference Tables (Available only in English)

Mathcad Prime provides direct access to many resources from the **Getting Started** 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 a few cases, Mathcad Prime 3.0 may access the Internet:

- Help Center: Mathcad Prime 3.0 uses HTTP to access the Help Center. If an active firewall on your computer warns that Mathcad Prime 3.0 or the Help Center is attempting to access the Internet, you must allow this access. Mathcad Prime 3.0 does not access the Internet, but it opens an HTTP connection to the Help Center on the local host. If local Help is installed, the Help Center runs as an HTTP server on the first available port. Configure your firewall to allow this access. If your company policies do not allow the Help Center to run on your local system, consider setting up a shared remote Help Center.

- News and Information: Mathcad Prime 3.0 uses an RSS feed to display current news and information about Mathcad within the application window. This reporting feature can be disabled when using a full license. When using either the 30-day, full capability license or Mathcad Express (no license), this panel cannot be disabled, but it can be turned off after startup.

- Quality Agent data reporting: Mathcad Prime 3.0 performance and usage data is collected and transmitted to PTC servers by this Quality Agent via SSL. Again, this reporting feature can be disabled when using a full license. When using either the 30-day, full capability license or Mathcad Express Prime 3.0 (no license), this capability cannot be disabled.

Converting Files from Previous Versions of Mathcad

From Mathcad Prime 3.0 you cannot directly open documents (mcd, xmcd, xmcdz files) created with Mathcad 15.0 or earlier. You must convert them using PTC Mathcad Prime 3.0 XMCD, MCD Converter. The converter requires that Mathcad 15.0 M010 or later to 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 3.0 Migration Guide*.

Compatibility between Versions of Mathcad Prime

Mathcad Prime 3.0 can open worksheets last saved in Mathcad Prime 1.0 and 2.0. It can also open worksheets last saved in Mathcad Prime 2.0 M010. However, Mathcad Prime 1.0 or Mathcad Prime 2.0 may not open worksheets last saved in Mathcad Prime 3.0.

Microsoft Hotfix for Fonts

Microsoft has provided a hotfix to improve performance issues with .Net 4.0 that affects fonts in Mathcad Prime 3.0. Download the hotfix from http://support.microsoft.com/kb/2652531 and install it on your computer.

Microsoft Hotfix for Memory and Performance Issues

Microsoft has provided a hotfix to improve performance issues in Mathcad Prime 3.0 on XP and Vista computers. Without the hotfix, you may see corrupted regions and other memory and performance issues. Download the hotfix from http://support.microsoft.com/kb/2588096 and install it on your computer.