

READ THIS FIRST

Mathcad® Prime™ 2.0

Important Installation and Usage Information
Directory of Online and CD-ROM Information

| | |
|------------------------|---|
| Platform Support | http://www.ptc.com/partners/hardware/current/support.htm |
| Mathcad Support Center | 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 Mathcad Prime 2.0

PTC is pleased to present Mathcad Prime 2.0. This release of PTC's 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 the What's New product release notes for more information:

<http://www.ptc.com/appserver/cs/doc/refdoc.jsp>.

For users of Mathcad 15.0 and earlier, see the Mathcad Prime 2.0 Migration Guide. Mathcad Prime 2.0 has significant differences from Mathcad 15.0 and does not support all functionality in Mathcad 15.0. The Migration Guide provides information and procedures for converting your worksheets from earlier versions of Mathcad to Mathcad Prime 2.0. Mathcad Prime 2.0 includes a converter to convert files from previous versions of Mathcad into Mathcad Prime 2.0.

Installation

For the most up-to-date installation information, see the Mathcad Prime 2.0 Installation and Administration Guide. In PTC.Setup, click Help > Installation Guide, or browse for it on the Reference Documents page at <http://www.ptc.com/appserver/cs/doc/refdoc.jsp>.

Mathcad Prime 2.0 can be installed side-by-side with any previous versions of Mathcad. For installing Mathcad Prime 2.0 side-by-side with Mathcad Prime 1.0, the following limitations apply:

- Mathcad Prime 2.0 comes in 32-bit and 64-bit. Install the version that matches your computer for maximum performance.
- You must install the products in an ascending order (Mathcad Prime 1.0, and then Mathcad Prime 2.0).
- If you have both Mathcad Prime 1.0 and Mathcad Prime 2.0 installed on your computer, by default Mathcad files open with the latest version. If you want files to

open in Mathcad Prime 1.0, you must set file association manually. Right-click a file, select **Open with**, and then click the desired program from the shortcut menu.

- Mathcad Prime 1.0 integrations with Windchill Workgroup Manager, Windchill Product Point, Pro/ENGINEER®, Creo™ Elements/Pro™, and Creo Parametric will no longer work.
- If you previously registered Mathcad Prime 1.0 with Windchill Workgroup Manager (using the Application Management utility), you must repeat the procedure and register Mathcad Prime 2.0.
- If you have more than one version of Mathcad Prime installed on your computer and you would like to remove one or both, you must uninstall them in descending order, and then reinstall them in ascending order.
- After installing Mathcad Prime 2.0, you can only use the Mathcad Prime 2.0 XMCD, MCD Converter to convert legacy Mathcad worksheets into Mathcad Prime 2.0.

Note to Users of Mathcad Prime 2.0 Alpha Version

You must uninstall alpha versions of Mathcad Prime 2.0 before installing Mathcad Prime 2.0.

Install Either the 32-bit or 64-bit Version on a Computer

On the same computer, you cannot install both the 32-bit and 64-bit versions of Mathcad Prime 2.0. If you attempt to do so, the following message appears: PTC.Setup has determined that you are configuring an existing installation. Would you like to recopy all the files from the CD? Regardless of your reply, the installer copies over the files of the previous installation. The second version installed will be the only one installed on your computer.

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 |
| 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 2.0 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**.

System Requirements and Hardware Certification Information

Visit the **Platform Support** page for Mathcad Prime 2.0 for updated system requirements and certified hardware configurations:

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

Licensing

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

- Floating licenses can be used by any workstation on your network.
- Locked licenses can only be used on specified workstations.
- Trial licenses can be used by any workstation on your network and will expire after 30 days.
- 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.

For more information on Mathcad Prime 2.0 licensing, see the *Mathcad Prime 2.0 Installation and Administration Guide*.

Language Support

The Mathcad Prime 2.0 user interface and documentation are translated into French, German, Italian, Spanish, Japanese, Korean, Simplified Chinese, Traditional Chinese, and Russian. During installation, PTC.Setup installs the product based on the language and locale settings of your computer. You can select whether you want 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 and then click Run. The Run dialog box opens.
2. In the Open box, type "`C:\Program Files\Mathcad\Mathcad Prime 2.0\MathcadPrime.exe`" `/culture:en-US`. In this example, C is the drive where Mathcad Prime 2.0 is installed, and `en-US` is the desired language and locale. You can use the following abbreviations for other languages:

| Language | Command Argument |
|----------|------------------|
| English | en-US |
| French | fr-FR |
| German | de-DE |
| Italian | it-IT |
| Japanese | ja-JP |

| Language | Command Argument |
|---------------------|------------------|
| Korean | ko-KR |
| Russian | ru-RU |
| Spanish | es-ES |
| Simplified Chinese | zh-CN |
| Traditional Chinese | zh-TW |

Using Function Names and Keyboard Shortcuts in Supported Languages

For Mathcad Prime 2.0, function names remain in English for all languages.

Keyboard shortcuts for certain commands do not work on non-English keyboards in Mathcad Prime 2.0. 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 2.0 |
|--|--|
| Creo Parametric | Designate variables in Mathcad as Creo Parametric input and output parameters. Asynchronously map Creo Parametric parameters 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. |
| 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 2.0 Help Center—Help and Books

Help and books for Mathcad Prime 2.0 are on the CD-ROM. 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 for Mathcad Prime 2.0
- Mathcad Prime 2.0 Installation and Administration Guide
- Mathcad Prime 2.0 Migration Guide
- Mathcad Prime 2.0 Keyboard Shortcuts
- Getting Started Tutorial
- Programming Tutorial
- Solving Tutorial

- Reference Tables (Available only in English)

Mathcad Prime 2.0 provides direct access to these resources. In addition, you can access these resources and a variety of online resources from the **Getting Started** tab on the Ribbon.

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

Firewall and Internet Issues

Mathcad Prime 2.0 uses HTTP to access the Help Center. If an active firewall on your computer warns that Mathcad Prime 2.0 or the Help Center is attempting to access the Internet, you must allow this access. Mathcad Prime 2.0 does not access the Internet, but 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.

Converting Files from Previous Versions of Mathcad

You must have Mathcad 15.0 M010 or later to convert worksheets that you created in previous releases of Mathcad to Mathcad Prime 2.0. You cannot open previous Mathcad worksheets directly. You must convert them using the **Mathcad Prime 2.0 XMCD, MCD Converter** button on the **Input/Output** tab in Mathcad Prime 2.0. You can also access the XMCD, MCD Converter from the Windows Start menu. For more information on file conversion, see the Mathcad Prime 2.0 Migration Guide.

Installing Mathcad 15.0 M010

The installation of Mathcad 15.0 M010 is a separate installation from Mathcad Prime 2.0. Mathcad 15.0 M010 will uninstall Mathcad 14.0 and Mathcad 15.0 F000 if you have them installed. Mathcad 15.0 M010 is a full working version of Mathcad 15.0. You can download Mathcad 15.0 M010 from <http://www.ptc.com/support/mathcad.htm>.

Microsoft Hotfix

Microsoft has provided a hotfix to improve performance issues with .Net 4.0 that affects fonts in Mathcad Prime 2.0. Download the hotfix from <http://support.microsoft.com/kb/2652531> and install it on your computer.

Microsoft Hotfix for Windows XP and Vista

Microsoft has provided a hotfix to improve performance issues in Mathcad Prime 2.0 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.

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