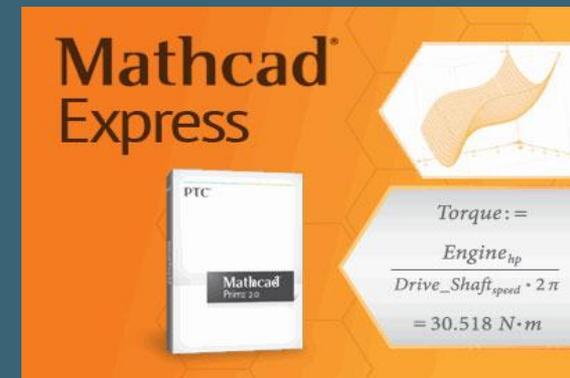


PTC Mathcad Express



Pro|ENGINEER®

Windchill®

Mathcad®

NCG CAM
NCG CAM Solutions Ltd.

CoCreate®

Arbortext®

Agenda

- Čo je Mathcad Express?
- PTC Mathcad Express vs PTC Mathcad Prime 2.0
- Praktické využitie PTC Mathcad Express
- Čo nás čaká v Mathcad Prime 3.0?

Čo je PTC Mathcad Express?



- bezplatná verzia
- 30 dní plná funkcionality PTC Mathcad Prime 2.0
- obsahuje vybranú funkcionality PTC Mathcad Prime 2.0

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- informatívne správy
 - špeciálna hlavička Mathcad Express
 - vodotlač v pracovných zošitoch

možnosť upgradu na PTC Mathcad Prime 2.0

PTC Mathcad Express vs PTC Mathcad Prime 2.0

Function	Description	Express	Prime
Math equation editing	Write and edit mathematical equations and formulas in a full WYSIWYG environment using standard, natural notation	X	X
Comprehensive Documentation	Mathcad allows you to present calculations and designs by integrating live math, text, plots and images in one comprehensive document. Hide complex or detailed information in collapsible areas	X	X
Basic numeric functions & operators	Calculate common engineering problems using over 200 mathematical functions and operators	X	X
Vectors & Matrices	Compute with vectors and matrices	X	X
Advanced numeric functions	Solve advanced engineering problems with over 400 functions in probability, statistics, data analysis, Six Sigma, signal and image processing and more for advanced computational capability		X
Solving capability	Solve systems of linear, non-linear, and differential equations using Solve Block capability. Optimize the design leveraging of powerful solvers for constrained optimization problems		X

PTC Mathcad Express vs PTC Mathcad Prime 2.0

Function	Description	Express	Prime
Units	Ensure integrity and accuracy of results by including explicit units in all calculations. Display results in chosen units. Rely on Mathcad's unit checking capability to avoid unit errors	X	X
Programming	Expand the computational capability through programming capabilities. Programming allows you to group a set of calculation operations and return only the results you specify. When you assign a program to a function, you can call the program, use it, and plot its output		X
Symbolics	Enhance the presentation and work more efficiently by deriving equations using symbolic algebra engine. Symbolics allows you to evaluate expressions and functions without the need to assign numerical values to variables. With Mathcad's rich set of keywords and modifiers you can control the form and content of the displayed result, and integrate numeric and symbolic computation seamlessly		X

PTC Mathcad Express vs PTC Mathcad Prime 2.0

Function	Description	Express	Prime
Creo / Windchill	Integrate Mathcad through Creo's analysis feature, and manage Mathcad worksheets and viewable within Windchill PDMLink	X	X
Help and Tutorials	Get started quickly with tutorials and Help including many examples	X	X
Maintenance	Get technical support, report issues, free product updates and new features		X
Worksheet include	Reuse standard and common calculations across the organization		X
Excel	Integrate Excel functionality directly into worksheets easily with Mathcad. With the Excel component, you can leverage tabular data presentation in your worksheet by using Excel's calculation and formatting tools inside Mathcad		X
Data Import	Import and export data using variety of common formats	X	X

PTC Mathcad Express vs PTC Mathcad Prime 2.0

Function	Description	Express	Prime
Advanced plot types	Visualize 3D data sets and functional models with polar, contour and surface plots. Mathcad makes it easy to get a quick qualitative and quantitative understanding of your models and data.		X
X-Y plots	Visualize data and functions using X-Y plots		X
In-program advertising	<p>Users can expect to see in-product messages with information on selected features, training, tips and tricks, and easy ways to purchase the full commercial product, along with specific “Mathcad Express” headers and watermarks on worksheets</p> <p>Users who upgrade get full Mathcad Prime 2.0 capabilities with no in-product advertising or watermarks</p>	X	

Čo nás čaká v Mathcad Prime 3.0?

koniec roka 2013

Novinky:

- tvorba šablón
- formátovanie matematických regiónov (horný a dolný index, zvýrazňovanie regiónov, štýly textu)
- vnorené matematické zápisy v textových regiónoch
- nová funkcionálna pre numerickú matematiku (Singular value decomposition SVD, LU Decomposition, QR Decomposition, Cholesky Decomposition)
- kontrola a oprava gramatických chýb
- priame kopírovanie do aplikácií Microsoft Word a PowerPoint
- vylepšená konverzia pracovných zošitov zo starších verzií Mathcadu
- vylepšená kompozícia grafov



Otázky a odpovědi

