



Welcome to the PTC Channel Webcast!

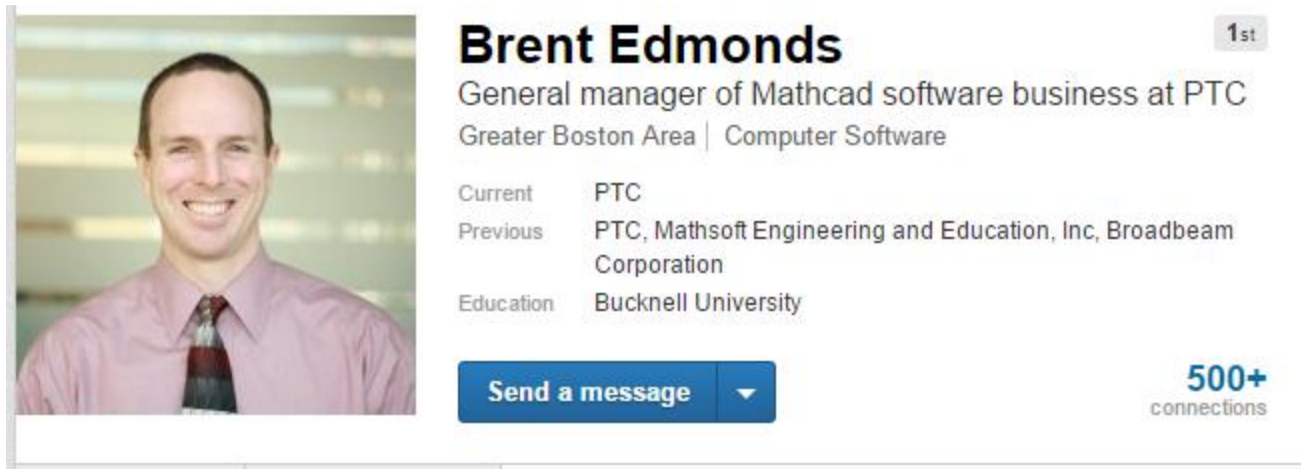
The presentation will begin at 11am EST

Q2 FY15 Channel Monday Webcast Calendar

Date	Topic	Host	Presenter(s)
January 5	What is the Design Exploration Extension & Who Benefits from this Technology?	Jeremy Madow	Stuart Heavyside / Moshe Baum
January 12	Driving New Business selling PTC Creo & Windchill	Jeremy Madow	(M. Sheridan, R. Pomarico, & S. Marks)
January 19	Becoming More Valuable – Support Resource To Enhance Your Value Proposition	Jeremy Madow	Aaron Kincaid Maja Milutinovic
January 26	PTC PLM Cloud Offerings	Jeremy Madow	Matt Sheridan, Chris Bergquist, Paul DeMore
February 2	Identify PTC ThingWorx opportunities for "Your" Customers	Paul DeMore	Scott McCarley
February 9	PTC Creo 3.0 Global Presentation	Jeremy Madow	Brian Thompson
February 16	Selling PTC Global Product Development	Jeremy Madow	Matt Sheridan Chris Bergquist
February 23	PTC Mathcad 3.1 Launch	Jeremy Madow	Brent Edmonds
March 2	CAD Competitive Update	Jeremy Madow	Stuart Heavyside
March 9	Value Roadmap	Jeremy Madow	Sean Miller
March 16	PTC Creo Illustrate Essentials	Jeremy Madow	Stefan Marks
March 23 & 30th	No Webcast – End of Quarter		

- Welcome & Introductions
- PTC Mathcad 3.1 Launch
- Q & A / Survey
 - Submit your questions prior to the webcast then tune in to have a SME answer your question
 - Email Channeloperations@ptc.com





Brent Edmonds ^{1st}

General manager of Mathcad software business at PTC
Greater Boston Area | Computer Software

Current PTC
Previous PTC, Mathsoft Engineering and Education, Inc, Broadbeam Corporation
Education Bucknell University

[Send a message](#) ▼

500+
connections

Brent Edmonds
General Manager of Mathcad

Channel Updates

- Confirm with your Teams
 1. They are receiving the Channel Sales Enablement Webcast Invitation
 2. They are watching the live or webcast replay weekly
 1. Variety of methods to watch / learn
 3. They are submitting questions prior or during the webcast
 1. Prior
 1. Channeloperations@ptc.com
 2. During
 1. Webex

Monday Channel Sales Enablement Webcast [View this email in your browser](#)

PTC Channel Advantage

PTC Channel Advantage Program
Monday Channel Sales Enablement Webcast

accelerate 2015

Tools:
PTC Creo 3.0 Global Presentation

REGISTER NOW!

PTC Creo 3.0 - Design better products, faster. Learn about the exciting new enhancements and capabilities introduced in Creo 3.0. We will cover the new revolutionary Unite technology as well as significant improvements in Concept Design and general efficiency across all apps.

Guest Speakers:

- Paul Seger
Director of Product Management

PLEASE NOTE: This email will be delivered using Webex - Registration is required. Once you register, you'll receive a confirmation email that includes a calendar link & a link to the meeting. If for some reason the meeting was not delivered, all the previous instructions in the email will be available to you.

Webcast Replay
February 9, 2015:
[Watch PTC Channel Advantage Program](#)
To access, click [HERE](#)

ThingWorx SPECIAL BRAINSHARK
Review important information regarding the PTC ThingWorx Lead Referral Program with Bob Ransid, SVP Worldwide Sales, and Kerry Grimes, SVP Worldwide Channel Sales. Learn how PTC Channel Partners can participate in this exciting program!

PTC Thingworx Executive Program Overview

MUST SEE!

PTC® PRODUCT & SERVICE ADVANTAGE

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You are receiving this Email because you are a part of the PTC Channel community.

ADDITIONAL RESOURCES

- [Link to Webex/MSRP](#)
- [Public Resource Center on PTC.com](#)
- [Q&A Consultation with PTC Creo](#)
Imported product demo - 2:30 mins
- [Consultation Customer stories and related articles](#)
- [PTC Channel Advantage LinkedIn Group](#)

CHANNEL SALES

PTC® ChannelAdvantage

Your Smart Connected Future

Alignment, Productivity & Capacity

a c c e l e r a t e 2 0 1 5

Channel Sales Webcast Replays

Q2 FY15

- Channel IoT Lead Referral Program Webcast HOT
- Identify PTC ThingWorx Opportunities for Your Customers 2-2-2015
- Driving New Business Selling PTC Creo and Windchill 1-12-2015
- What is the Design Exploration Extension & Who Benefits from this Technology? 1-5-2015
- Support Resource to Enhance your Value Proposition 1-19-15
- Selling PTC Global Product Development 2-16-2015 NEW
- The PTC PLM Cloud Strategy 1-26-2015
- PTC Creo 3.0 Global Presentation 2-9-2015

Q1 FY15

- Expand the PTC Creo Footprint 12-8-2014
- UCC Launch for Q1 FY15 2014-10-13
- Improve Design Reviews using PLM 12-1-14
- Mathcad Channel Strategy 11-14-2014
- Maximizing PTC Velocity for Channel Sales 12-15-14
- Global Support and Customer Success 11-24-14

FY14 Channel Sales Webcasts

- Why Buy PTC Creo vs Buying Solidworks - 7-14-2014
- Design Exploration Extension 7-28-14
- What is the Design Exploration Extension and who benefits from this technology - 2014-07-28
- Managed Services 101 Coming Alive in 2015 - 2014-07-21

FY15 Channel Sales Kickoff Presentations

Selling Tools

- **Salesforce.com News**
- Salesforce.com
- PTC Velocity
- Log Analyzer
- Register a Deal - Siebel Users Only
- Proposal Generator
- Sales Portal Start Page
- Upgrade Web Tools
- Edge Newsletter
- Partner Orders Entered
- Customer Detailed License Report

Regional Channel Pages

Channel Americas

FY15 Channel Sales Programs



Copy of CoM/CoS - Channel Page
Jeremy Madow 1/28/2015 ☆☆☆☆



Unified Channel Campaign (UCC)
Jeremy Madow 2/10/2015 ☆☆☆☆

A C C E L E R A T E

Navigate to Product Groups > PTC Mathcad

PTC® Mathcad®

Recommended Assets

 [PTC Mathcad Prime 3.0 - Battlecard](#) Document by Jerry Raether. Modified 2/17/2015 ★★★★★ [Download](#) [Customize](#)

 [PTC Mathcad Overview \(CoM\) Course](#) Document by Jerry Raether. Modified 2/12/2015 ☆☆☆☆☆ [Download](#)

 [PTC Mathcad Data Sheet](#) Document by Tim Bond. Modified 2/3/2015 ☆☆☆☆☆ [Download](#)

 [Making the Case for PTC Mathcad Whitepaper](#) Document by Tim Bond. Modified 2/3/2015 ★★★★★ [Download](#)

 [PTC Mathcad Prime 3.0 \(Package Upgrades\) - Battlecard \(Simplified Chinese\)](#) Document by Mary Min. Modified 1/27/2015 ☆☆☆☆☆ [Download](#)

Learn

 [What's New in Prime 3.1 Training Material](#) Document by Tim Bond. Modified 2/18/2015 ☆☆☆☆☆ [Download](#) [Customize](#)

 [PTC Mathcad Prime 3.1 Messaging](#) Document by Tim Bond. Modified 2/17/2015 ☆☆☆☆☆ [Download](#) [Customize](#)

 [PTC Mathcad Gives-Gets Thought Starter List](#) Document by Tim Bond. Modified 2/3/2015 ☆☆☆☆☆ [Download](#)

 [PTC Mathcad OS and versions 11-13 Support Announcement](#) Post by Tim Bond. Modified 1/12/2015 ☆☆☆☆☆

 [PTC Mathcad VAR Information](#) Post by Tim Bond. Modified 12/30/2014 ☆☆☆☆☆

[View All](#)

Sell

 [PTC Mathcad Prime 3.0 - Pre-Call Planner](#) Document by Tim Bond. Modified 2/3/2015 ☆☆☆☆☆ [Download](#)



PTC Mathcad is the single solution for solving, analyzing, and sharing your most vital engineering calculations.

Presented within an easy-to-use interface, its live mathematical notation, units intelligence, and powerful calculation capabilities allows engineers and design teams to capture and communicate their critical design and engineering knowledge.

Experts

Sales Reference Material

- Boston Engineering Simulates Swimming Robot Action 60% Faster with PTC Solutions
- Lovejoy uses PTC Creo and PTC Mathcad to Get Products to Market 50% Faster
- PTC Mathcad Customer Success Slides HOT

[View All](#)

Search results for: mathcad 3.1

372 Search Results for "mathcad 3.1"

Tags

Filters

expand all collapse all

- ▶ Asset Type (372)
- ▶ Buyer (14)
- ▶ Distribution (363)
- ▶ Field Created Content (2)
- ▶ Industry (100)
- ▶ Language (370)
- ▶ Product Group (144)
- ▶ Products (118)
- ▶ PTC Sales Ecosystem (36)
- ▶ References Type (142)
- ▶ Region (93)
- ▶ Sales Plays (42)
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- ▶ Sales Stages (46)
- ▶ Segments (105)
- ▶ Solution Stages (361)
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Documents and Posts:

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PTC Mathcad Prime 3.1 Launch Email for Mathcad Customers NEW

by Bond, Tim in [English](#) - Modified 2/17/2015 - Created 2/17/2015

PTC **Mathcad** Prime **3.1** corporate marketing announcement targeting PTC...

★★★★★

PTC Mathcad Prime 3.1 Launch Email for Creo Customers NEW

by Bond, Tim in [English](#) - Modified 2/17/2015 - Created 2/17/2015

PTC **Mathcad** Prime **3.1** corporate marketing announcement targeting PTC...

★★★★★

PTC Mathcad Prime 3.1 Messaging NEW

by Bond, Tim in [English](#) - Modified 2/17/2015 - Created 2/17/2015

★★★★★

PTC Mathcad Prime 3.1 Pricing & Packaging Guide NEW

by Bond, Tim in [English](#) - Modified 2/12/2015 - Created 1/27/2015

★★★★★

February 24th: "What's New in PTC Mathcad Prime 3.1" Customer Facing Live Demo Webcast Invitation NEW

by L adderhush , Jessica in [Archive](#) - Modified

sort by ▼ Best Match

Pages:

1- 1 of 1 | all

PTC **Mathcad**

by Miller, Scott - Modified 2/9/2015

★★★★★

Multimedia:

1- 3 of 19 | all

What's New in PTC **Mathcad** Prime **3.1** Synopsis Demo Video NEW

by Bond, Tim - Modified 2/12/2015

★★★★★

Mathcad Channel Strategy 11-14-2014 NEW

by Marchessault, Dayna - Modified 2/11/2015

★★★★★

PTC **Mathcad** Overview (CoM) Course NEW

by Raether, Jerry - Modified 2/12/2015

★★★★★

Conversations:

1- 3 of 4 | all

Mechanical Engineering Library in **Mathcad** NEW

Channel IoT Lead Referral Program

What is PTC ThingWorx Lead Referral Program

PTC®

The PTC ThingWorx Lead Referral Program is a new initiative launched by PTC in order to allow you, our PTC Partners and Partner Sales Representatives (PSR), to participate in this exciting new IoT opportunity.



Qualify
your lead



Register
your lead



Earn
A referral credit*

Benefits for You

Get familiar with ThingWorx, bring added value to your customers and earn big!

- \$1000 for each qualified lead accepted and initial sales call completed (PSR Incentive).
- 10% net license order to PTC (or subscription booking, as applicable).
- Best-in-class solution for your customers
- Improved alignment with PTC Direct Sales Rep.
- Get familiar with ThingWorx Products & value prop
- No technical expertise required

ThingWorx™
A PTC® Business

Lead Referral Program

Program Eligibility

- Restricted to members of the PTC Channel Advantage Program
- Partners must be in good standing with PTC

* Under the terms and conditions set forth on the ThingWorx Lead Referral Program Guide

PTC Channel Advantage Partner Distribution Only
PTC ThingWorx Lead Referral Program - Feb 2015 - #1

PTC Channel Advantage

Your Smart Connected Future Alignment, Productivity & Capacity

Announcing

PTC ThingWorx Lead Referral Program

Identify PTC ThingWorx opportunities for your customers & earn money!

\$1000
per lead accepted

10%
Net License Order

> Learn More

Contact your Channel Account Manager or email channelleads@ptc.com for questions.

Highlights

Watch our PTC executive video featuring Bob Ranaldi, EVP Sales & Distribution and Kerry Gimes, SVP Channel Sales, introducing PTC IoT ThingWorx Lead Referral Program.

SUBMIT YOUR LEADS TODAY!

Program Guide

To learn more about the benefits of participating in the PTC ThingWorx Lead Referral Program, download our program guide.

SUBMIT YOUR LEADS TODAY!

Resources

Learn more about PTC's perspective on how IoT is transforming competition in this Harvard Business Review article. A must read article!

• Download our SCP Battlecard
• Watch the Partner Monday Webcast
• **Submit your leads today!**

PTC Channel Advantage Partner Distribution Only
PTC ThingWorx Lead Referral Program - Feb 2015 - #2

PTC Channel Advantage

Your Smart Connected Future Alignment, Productivity & Capacity

PTC ThingWorx Lead Referral Program

\$1000 LIMITED
Per Lead Accepted To The First 1000 Leads

Submit Your Leads Today!

Highlights

Watch our PTC executive video featuring Bob Ranaldi, EVP Sales & Distribution and Kerry Gimes, SVP Channel Sales, introducing PTC IoT ThingWorx Lead Referral Program.

SUBMIT YOUR LEADS TODAY!

PTC Velocity

We have just created a dedicated PTC ThingWorx Lead Referral Program page on PTC Velocity. Get access to the latest sales and marketing awards as well as program guide, battlecards and much more! [Click here](#)

SUBMIT YOUR LEADS TODAY!

Resources

• Access the PTC Velocity Page
• Download our Program Presentation
• Download our Program Guide
• Watch the Partner Monday Webcast
• Questions / Comments on the program?

PTC Channel Advantage Partner Distribution Only
PTC ThingWorx Lead Referral Program - Feb 2015 - #3

PTC Channel Advantage

Your Smart Connected Future Alignment, Productivity & Capacity

PTC ThingWorx Lead Referral Program

Top Performers

The Partner Sales Rep. below are eligible for the \$1000 Reward.

Simon Davigo - 4CAD
Brian W. Lahowe - NuRev
Pavel Strelkov - Pro Tech
Perttu Korpela - Convia Oy
Michael Jaeger - TechSoft
Chris Rogers - Root Sol.

YOUR NAME HERE? SUBMIT A LEAD

Program Guide

Watch our PTC executive video featuring Bob Ranaldi, EVP Sales & Distribution and Kerry Gimes, SVP Channel Sales, introducing PTC IoT ThingWorx Lead Referral Program.

WATCH THE VIDEO

Resources

• Access the PTC Velocity Page
• Download our Program Presentation
• Download our Program Guide
• Watch the Partner Monday Webcast
• Questions / Comments on the program?

Top Partner Sales Rep.
in IoT Lead submitting

- Simon Davigo (4CAD)
- Brian W. Lahowe (NuRev.)
- Pavel Strelkov (Pro Tech)
- Perttu Korpela (Convia Oy)
- Michael Jaeger (TechSoft)
- Chris Rogers (Root Sol.)
- Your Name Here? >>

Lead Accepted = \$1000

SUBMIT YOUR LEAD TODAY!

Contact your Channel Account Manager or email channelleads@ptc.com for questions.

Keynote Presentation

PTC[®] PRODUCT & SERVICE ADVANTAGE[®]

PTC[®] Mathcad[®] Prime[™] 3.1

ENGINEERING NOTEBOOK POWERED BY

PTC[®] Mathcad[®]

Brent Edmonds
Andy McGough
John Sheehan
Tim Bond

February 23rd, 2015

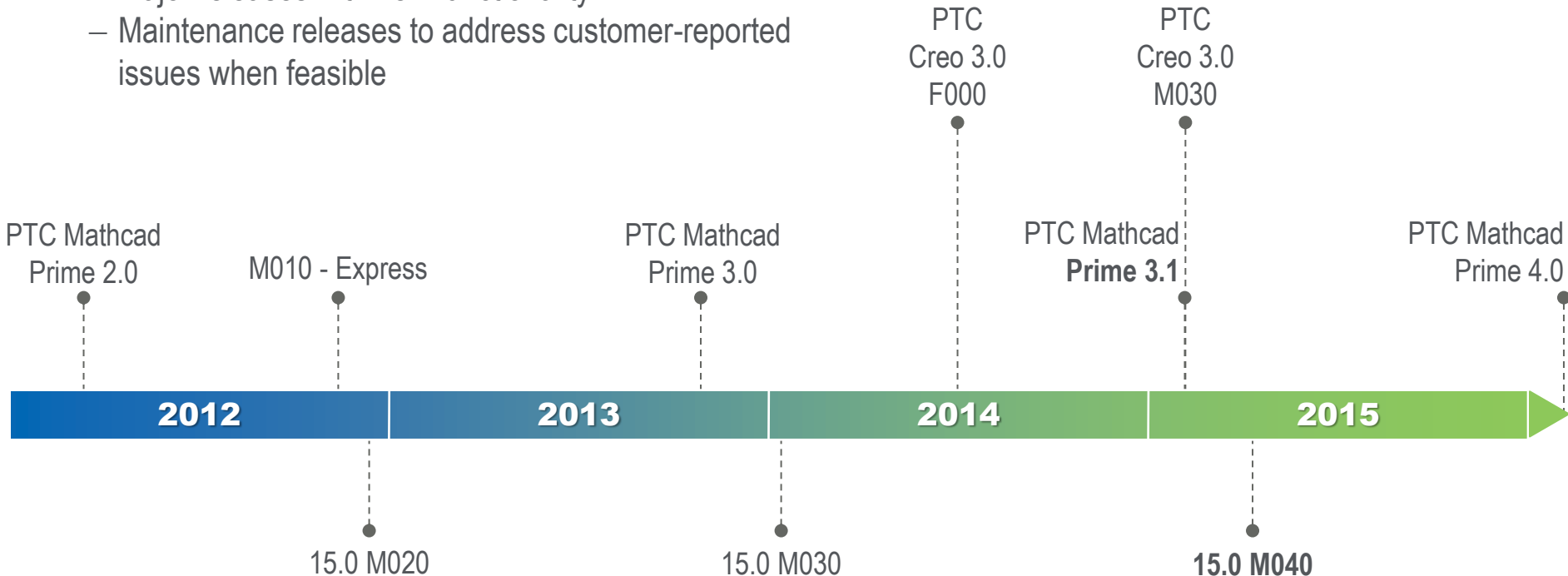


- Roadmap Timeline
- What's New in Prime 3.1
- Engineering Notebook, powered by PTC Mathcad
- Demonstration
- Sales Plays – Your Call to Action!

PTC® Mathcad® Prime™ 3.1

PTC Mathcad Prime x.0

- Major releases with new functionality
- Maintenance releases to address customer-reported issues when feasible



PTC Mathcad 15.0

- Maintenance releases to address customer-reported issues or platform changes
- No new features
- Discontinue only when full migration to Prime x.0 can take place for majority of customers

PTC Mathcad Prime 3.1

February 25th RTM

• Functionality

- New PTC Creo integration
 - Requires **PTC Creo 3.0 M030**
 - 3 use cases for CAD engineer
- API

• Re-written to be cleaner and more efficient

• Extensive SDK including source code to SolidWorks integration, C++ code generation and more

Large data handling

- For 64-bit architectures, data set sizes are no longer limited to 2 gigabyte ceiling

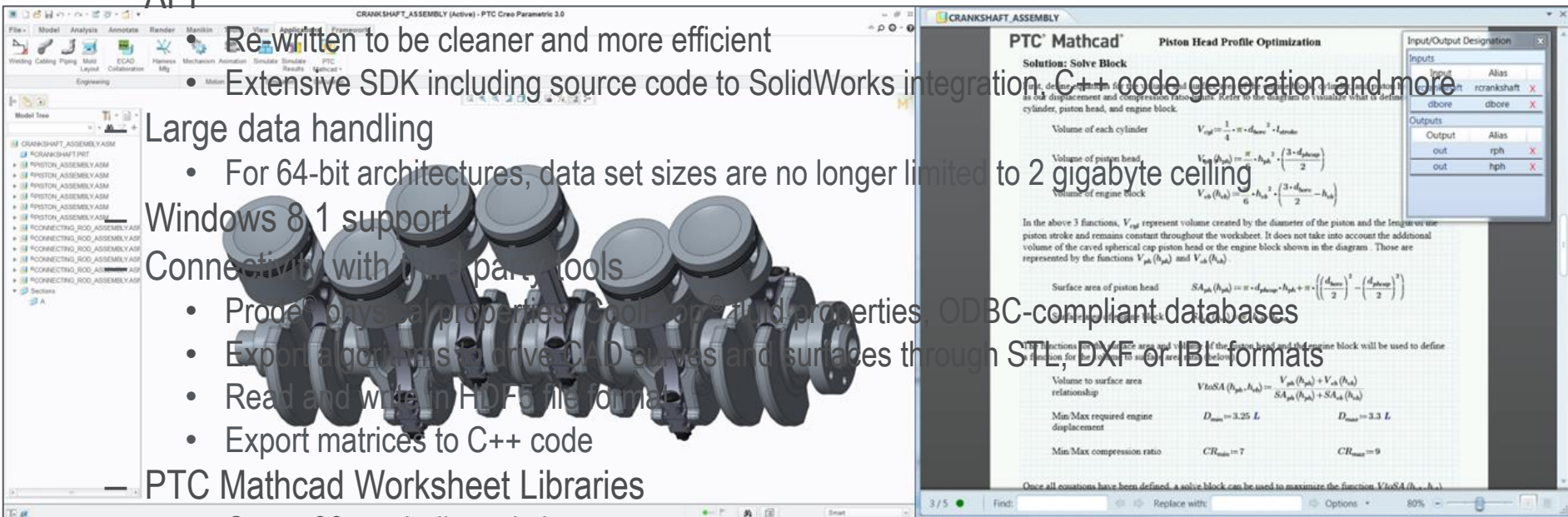
Windows 8.1 support

Connectivity with other tools

- Proper physical properties, Coolant and fluid properties, ODBC-compliant databases
- Export algorithms to drive CAD curves and surfaces through STL, DXF or IGE formats
- Read and write in HDF5 file format
- Export matrices to C++ code

– PTC Mathcad Worksheet Libraries

- Over 700 pre-built worksheets across:
 - Mechanical, Electrical, Civil & Structural, Chemical, Applied Math and Education
 - Roark's Formulas for Stress and Strain
- Scripts to convert legacy e-books

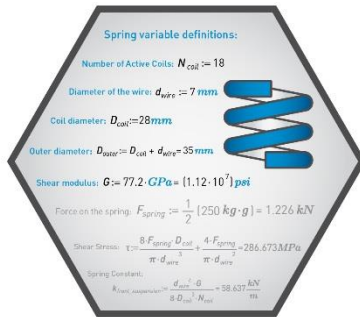


API – What's New

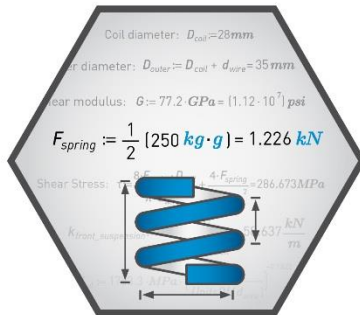
- **Get & Set data in different units**
 - Completing goal of units everywhere, API can now make 3rd party applications 'units aware'
- **Input and output designation table**
 - Reduces interference between applications and end users each updating inputs
- **Event handlers**
 - Custom code can be called to log activity or launch other applications based upon user activity
- **Active worksheet in 'collection' of worksheets**
 - Allows applications to focus on the worksheet the user is interacting with
- **Pause and Resume calculation**
 - Applications can be linked tightly in customer workflows
- **SDK with documentation**
 - Allows users to achieve a proficient skill level with the API in days

Engineering Notebook, powered by PTC Mathcad

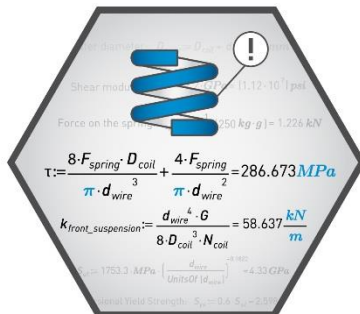
3 use cases for PTC Creo user



Document Design Intent



Analysis Driven Design



Verification and Validation

- PTC Mathcad is a powerful math engine and documentation tool
 - The perfect application to document the engineering detail behind critical design decisions

PTC Mathcad Prime 3.1 F000 - D:\Users\ibond\Desktop\Exercise 6 Engineering Notebook\CRANKSHAFTASSEMBLY.ASM

Math Input/Output Functions Matrices/Tables Plots Math Formatting Text Formatting Calculation Document Getting Started

Include Worksheet Cache Worksheet XMCD, MCD Converter Clear Annotations Data Filename READ EXCEL Excel Component Assign Input Assign Output Show As List Show in Worksheet Update Inputs

PTC Mathcad Worksheets Data Import/Export Integration

CRANKSHAFT_ASSEMBLY

PTC® Mathcad® Piston Head Profile Optimization

Given:

Number of cylinders $N_{cyl} := 6$

Piston bore diameter $d_{bore} := 1 \text{ mm}$

Piston head spherical cap diameter $d_{phcap} := d_{bore} - 10 \text{ mm}$

As stated in the problem, a 5 mm flat edge will go around the entire circumference of the piston head. This means the piston head spherical cap diameter will be 10 mm less than the piston bore diameter.

Effective crankshaft radius $r_{crankshaft} := 1 \text{ mm}$

Length of piston stroke $l_{stroke} := 2 \cdot r_{crankshaft}$

The length of the piston stroke is the vertical distance travelled by the piston from bottom to top. The diameter and stroke length of the piston have a large effect on the total displacement of an engine.

Volume of spherical cap $V(h) = \frac{\pi}{6} \cdot h^2 \cdot \left(\frac{3 \cdot d}{2} - h \right)$

Spherical Cap

Input/Output Designation

Inputs		
Input	Alias	
rcrankshaft	rcrankshaft	X
dbore	dbore	X
Outputs		
Output	Alias	

2 / 5 Find: Replace with: Options 130%

Forward looking information, subject to change without notice

22

Capture design intent inside your model

- **Embed** a Mathcad worksheet directly **within** the Creo model
- Embedded worksheet can be opened, edited and saved within the Creo model
- All design details in the worksheet automatically travel with the Creo model

The screenshot displays the PTC Creo Parametric 3.0 interface. On the left, the Model Tree shows the assembly structure, including CRANKSHAFT_ASSEMBLY.ASM and various sub-components like CRANKSHAFT.PRT, PISTON_ASSEMBLY.ASM, and CONNECTING_ROD_ASSEMBLY.ASM. The main viewport shows a 3D isometric view of a multi-cylinder crankshaft assembly.

On the right, a PTC Mathcad worksheet titled "Piston Head Profile Optimization" is embedded within the model. The worksheet contains the following content:

PTC® Mathcad® Piston Head Profile Optimization

Solution: Solve Block

First, define equations for the volume and surface area of the engine block, cylinder, and piston head as our displacement and compression ratio limits. Refer to the diagram to visualize what is defined cylinder, piston head, and engine block.

Volume of each cylinder $V_{cyl} = \frac{1}{4} \cdot \pi \cdot d_{bore}^2 \cdot l_{stroke}$

Volume of piston head $V_{ph}(h_{ph}) = \frac{\pi}{6} \cdot h_{ph}^3 \cdot \left(\frac{3 + d_{phcap}}{2} \right)$

Volume of engine block $V_{eb}(h_{eb}) = \frac{\pi}{6} \cdot h_{eb}^3 \cdot \left(\frac{3 + d_{bore}}{2} \right)$

In the above 3 functions, V_{cyl} represent volume created by the diameter of the piston and the length we use piston stroke and remains constant throughout the worksheet. It does not take into account the additional volume of the caved spherical cap piston head or the engine block shown in the diagram. Those are represented by the functions $V_{ph}(h_{ph})$ and $V_{eb}(h_{eb})$.

Surface area of piston head $SA_{ph}(h_{ph}) = \pi \cdot d_{phcap} \cdot h_{ph} + \pi \cdot \left(\left(\frac{d_{bore}}{2} \right)^2 - \left(\frac{d_{phcap}}{2} \right)^2 \right)$

Surface area of engine block $SA_{eb}(h_{eb}) = \pi \cdot h_{eb} \cdot d_{bore}$

The functions for the surface area and volume of the piston head and the engine block will be used to define a function for the volume to surface area ratio (below).

Volume to surface area relationship $VtoSA(h_{ph}, h_{eb}) = \frac{V_{ph}(h_{ph}) + V_{eb}(h_{eb})}{SA_{ph}(h_{ph}) + SA_{eb}(h_{eb})}$

Min/Max required engine displacement $D_{min} = 3.25 \text{ L}$ $D_{max} = 3.3 \text{ L}$

Min/Max compression ratio $CR_{min} = 7$ $CR_{max} = 9$

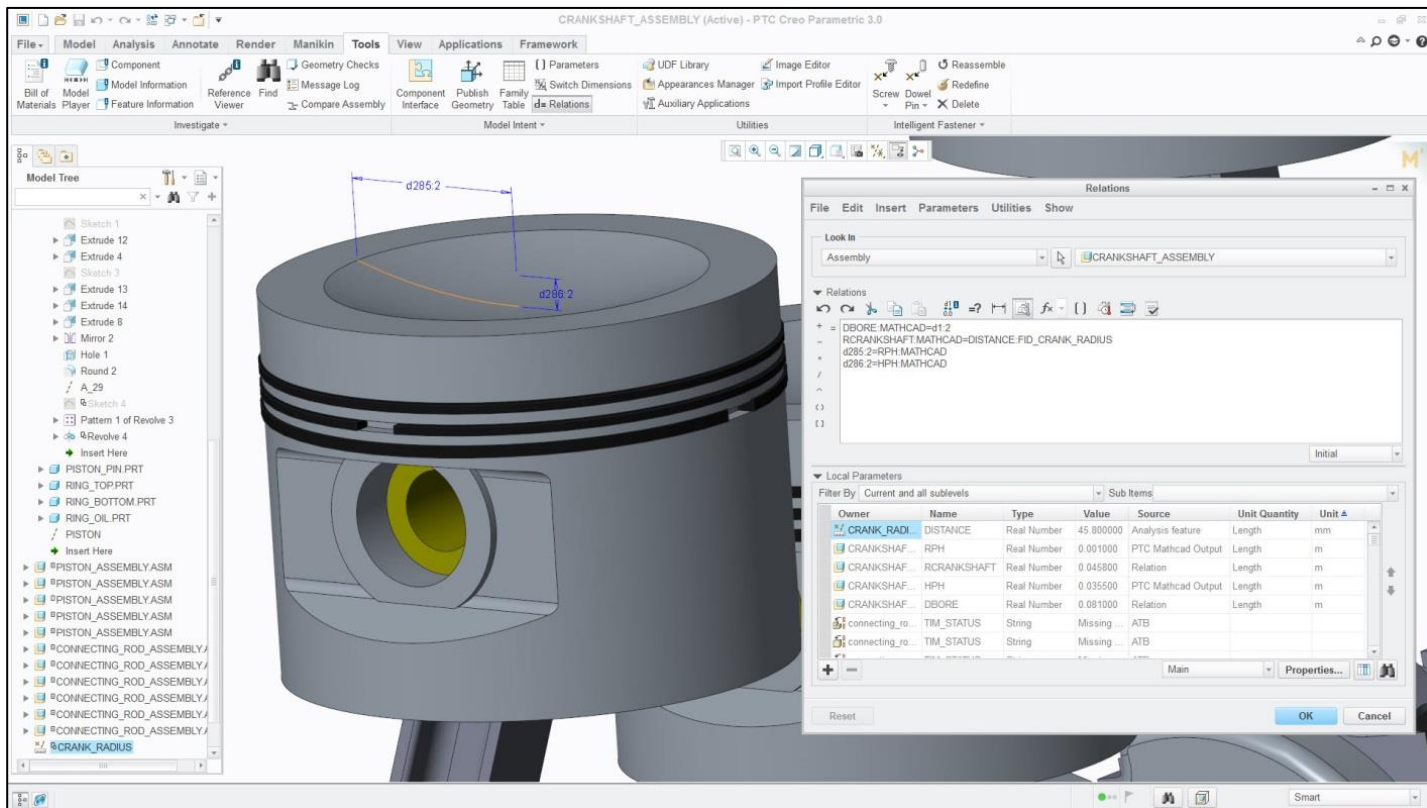
Once all equations have been defined, a solve block can be used to maximize the function $VtoSA(h_{ph}, h_{eb})$.

The Mathcad interface also shows an "Input/Output Designation" window with the following data:

Inputs	
Input	Alias
ccrankshaft	ccrankshaft X
dbore	dbore X
Outputs	
Output	Alias
out	rph X
out	hph X

Share parameters between PTC Creo and PTC Mathcad

- **Analysis Driven Design**
 - Solve calculations and use the results as dimensions within the Creo model
- **Verification and Validation**
 - Creo parameters further analyzed with Mathcad's extensive array of math tools



Share parameters between PTC Creo and PTC Mathcad

- Tag parameters in the embedded Mathcad worksheet
 - Inputs – values from Creo to Mathcad
 - Outputs – values from Mathcad to Creo
- Mathcad input definitions and output evaluations are made available in **parameters table**

Values from Creo Parametric

Piston bore diameter

$$d_{bore} := 1 \text{ mm}$$

Effective crankshaft radius

$$r_{crankshaft} := 1 \text{ mm}$$

Engineering Notebook Powered by PTC Mathcad Outputs

Radius of piston head spherical cap

$$r_{ph} = 35.500 \text{ mm}$$

Height of piston head spherical cap

$$h_{ph} = 1.000 \text{ mm}$$

Input/Output Designation

Input	Alias	
dbore	dbore	X
rcrankshaft	rcrankshaft	X

Parameters

File Edit Parameters Tools Show

Look In: Embedded Mathcad CRANKSHAFT_ASSEMBLY

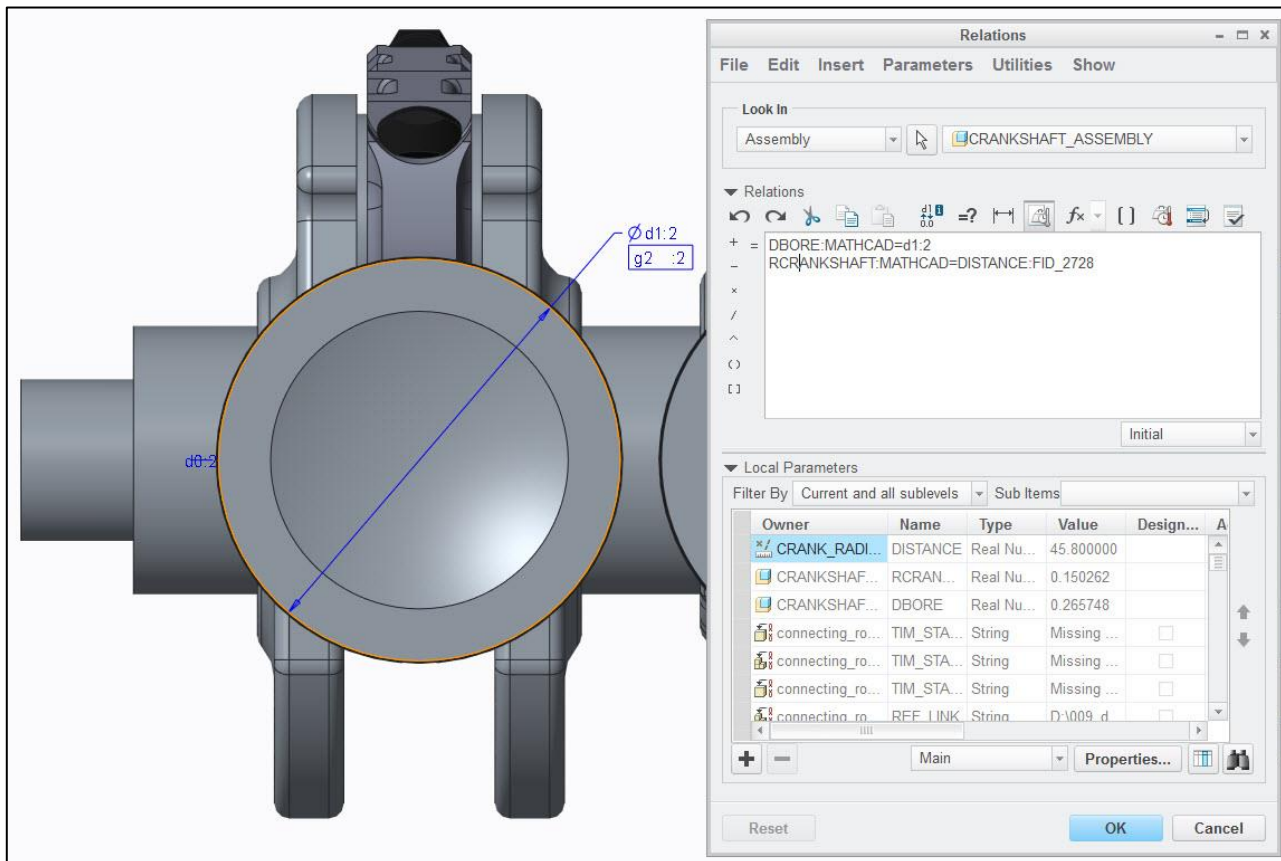
Filter By: Default Customize...

Name	Type	Value	Mathcad Value	Access	Source	Unit Quantity	Unit
RPH	Real Number	0.001000	0.001000	Locke...	PTC Mathcad Output	Length	m
RCRANKSHAFT	Real Number	0.045800	0.045800	Locke...	Relation	Length	m
HPH	Real Number	0.035500	0.035500	Locke...	PTC Mathcad Output	Length	m
DBORE	Real Number	0.081000	0.081000	Locke...	Relation	Length	m

Reset OK Cancel

Share parameters between PTC Creo and PTC Mathcad

- Mathcad inputs & outputs can be used in **Relations** like any other *native* Creo parameter
 - Relate Mathcad inputs to parameters in Creo to use Creo values in Mathcad
 - Relate Mathcad outputs to parameters in Creo to use Mathcad values in Creo



Demo

Call To Action

• Traditional Plays

- Update 15.0 customers to Prime 3.1
- Add seats to 15.0 customers who can't update
- Displace Excel
- Complementary to MATLAB
- Upgrade/consolidate
 - Locked & Single User to float
 - Float to Global float
- Nurture Express leads

• New Plays

- Extend PTC Creo footprint
 - Engineering Notebook, powered by PTC Mathcad
- Add Worksheet Libraries
 - Existing customers
 - Every software quote
 - Roark's Formulas for Stress and Strain
- v11-13 retirement - compelling event in Q2

Part Number	Product Name	Software (US\$)	Support (US\$)
PKG-7580-L	Roark's Worksheet Library - 6th Edition for Mathcad 15.0	\$ 390	\$ -
PKG-7581-L	Mathcad Prime SDK	\$ 9,000	\$ 1,800
PKG-7573-L	Mathcad Worksheet Library - Volume 1	\$ 500	\$ -
PKG-7574-L	Mathcad Worksheet Library - Volume 2	\$ 500	\$ -
PKG-7575-L	Mathcad Worksheet Library - Mechanical	\$ 190	\$ -
PKG-7576-L	Mathcad Worksheet Library - Electrical	\$ 190	\$ -
PKG-7577-L	Mathcad Worksheet Library - Civil & Structural	\$ 190	\$ -
PKG-7578-L	Mathcad Worksheet Library - Chemical	\$ 190	\$ -
PKG-7579-L	Mathcad Worksheet Library - Applied Math	\$ 190	\$ -
PKG-7582-L	Mathcad Worksheet Library - Education	\$ 190	\$ -

PTC[®] PRODUCT & SERVICE
ADVANTAGE[®]



Thank you for attending!