

Training at PDSVision

Training is one of the best investments a company can make; it is not a big expense, it creates better quality of work, it immediately creates efficiency and it is fun!

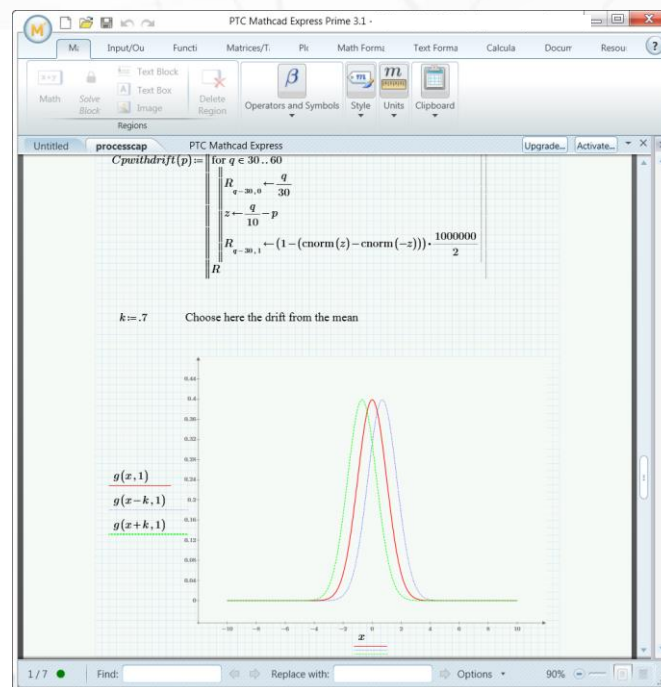
PDSVision is proud to be a Certified Training Provider – Platinum of PTC, and we offer a wide range of courses of high quality. Whether you are a first time user or an experienced user, PDSVision can offer a suitable training for you. Greater knowledge contributes to increased efficiency and higher quality of work

Introduction to PTC Mathcad

Course Length	2 days
Prerequisites	None
Audience	Users needing an introduction to Mathcad

Course Description

In this course, you will learn the basics Mathcad Prime. You will learn about Mathcad Prime's extensive functionality such as opening and working with Mathcad files, navigating workspaces, defining variables and expressions, and solving equations. Further, you will learn how to plot graphs, solving for roots and manipulating data.



Course Content

The course topics are presented during two days and exercises based on the topics presented performed successively. Below are some topics from the course content listed.

Course Topics

- Open and save Mathcad files.
- Navigate the Mathcad workspace.
- Identify and format math and text regions.
- Develop and edit math expressions.
- Define, evaluate, and use variables.
- Assign an expression retroactively.
- Define and evaluate user-defined and built-in functions.
- Define, evaluate, and use range variables.
- Use units in calculations.
- Plot 2D and 3D graphs.
- Solve for the roots of a function with a single independent variable.
- Symbolically solve equations.
- Numerically solve a system of linear and nonlinear equations,
- Solve unconstrained and constrained optimization problems.
- Solve ordinary differential equations.
- Create a program within the Mathcad worksheet using Mathcad's programming features.
- Import and export data.
- Smooth, interpolate, and regress data.