9/05/2015

El Camino College

How to Get *Mathematica*

- ## Student personally owned machines

  Follow the directions below to download from the Wolfram User Portal.

  1. Create an account *(New users only)*:
     a. Go to user.wolfram.com and click "Create Account"
     b. Fill out form using a @elcamino.edu email, and click "Create Wolfram ID"
     c. Check your email and click the link to validate your Wolfram ID
  2. Request the download and key:
     a. Fill out this form to request an Activation Key
     b. Click the "Product Summary page" link to access your license
     c. Click "Get Downloads" and select "Download" next to your platform
     d. Run the installer on your machine, and enter Activation Key at prompt

- ## Faculty and staff personally owned machines

  Fill out this form to request a home-use license from Wolfram.

  - On the form's third page, copy and paste this URL http://www.elcamino.edu/uportal/facsched/MainMenu.aspx which will be used by Wolfram to verify your status as an employee of El Camino College.

Mathematica is currently installed in the following locations:

Computer labs

- All general or public-access labs. Many departmental labs have Mathematica installed as well.

Computer clusters

- El Camino College's Mathematica license can be used for grid computing. If you are interested in using Mathematica for parallel computing on a dedicated cluster, or in a distributed grid environment, please let Paul Fish at Wolfram Research know.

Mathematica can also be installed on:

- ## Campus machines

  Follow the directions below to download software from Wolfram and request the appropriate activation key.

  1. Create an account *(New users only)*:
     a. Go to user.wolfram.com and click "Create Account"
     b. Fill out form using a @elcamino.edu email, and click "Create Wolfram ID"
     c. Check your email and click the link to validate your Wolfram ID
  2. Request the download and key:
     a. Fill out this form to request an Activation Key
     b. Click the "Product Summary page" link to access your license
     c. Click "Get Downloads" and select "Download" next to your platform
     d. Run the installer on your machine, and enter Activation Key at prompt

Are you interested in installing *Mathematica* elsewhere? Please let ECC's Thurman Brown in IT or Paul Fish at Wolfram Research know.

Mathematica Tutorials

The first two tutorials are excellent for new users, and can be assigned to students as homework to learn *Mathematica* outside of class time.

- **Hands-on Start to *Mathematica***

  Follow along in *Mathematica* as you watch this multi-part screencast that teaches you the basics—how to create your first notebook, calculations, visualizations, interactive examples, and more.

- **What's New in *Mathematica* 10**

  Provides examples to help you get started with new functionality in *Mathematica* 10, including machine learning, computational geometry, geographic computation, and device connectivity.

- **How To Topics**

  Access step-by-step instructions ranging from how to create animations to basic syntax information.

- **Learning Center**

  Search Wolfram's large collection of materials for example calculations or tutorials in your field of interest.

Teaching with *Mathematica*

Mathematica offers an interactive classroom experience that helps students explore and grasp concepts, plus gives faculty the tools they need to easily create supporting course materials, assignments, and presentations.

Resources for educators

- ***Mathematica* for Teaching and Education—Free video course**

  Learn how to make your classroom dynamic with interactive models, explore computation and visualization capabilities in *Mathematica* that make it useful for teaching practically any subject at any level, and get best-practice suggestions for course integration.

- **How To Create a Lecture Slideshow—Video tutorial**

  Learn how to create a slideshow for class that shows a mixture of graphics, calculations, and nicely formatted text, with live calculations or animations.

- **Wolfram Demonstrations Project**

  Download pre-built, open-code examples from a daily-growing collection of interactive visualizations, spanning a remarkable range of topics.

- **Wolfram Training Education Courses**

  Access on-demand and live courses on *Mathematica*, *SystemModeler*, and other Wolfram technologies.

Research with *Mathematica*

Rather than requiring different toolkits for different jobs, *Mathematica* integrates the world's largest collection of algorithms, high-performance computing capabilities, and a powerful visualization engine in one coherent system, making it ideal for academic research in just about any discipline.

Resources for researchers

- ***Mathematica* for University Research—Free video course**

  Explore *Mathematica*'s high-level and multi-paradigm programming language, support for parallel computing and GPU architectures, built-in functionality for specialized application areas, and multiple publishing and deployment options for sharing your work.

- **Utilizing HPC and Grid Computing—Free video course**

  Learn how to create programs that take advantage of multicore machines or available clusters.

- **Field-Specific Applications**

  Learn what areas of *Mathematica* are useful for specific fields.