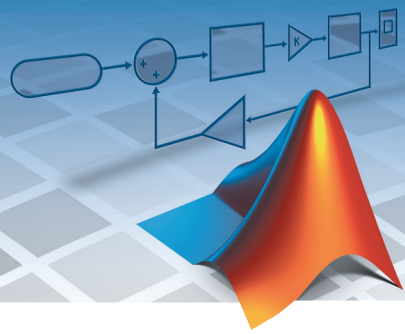
MATLAB® & SIMULINK®

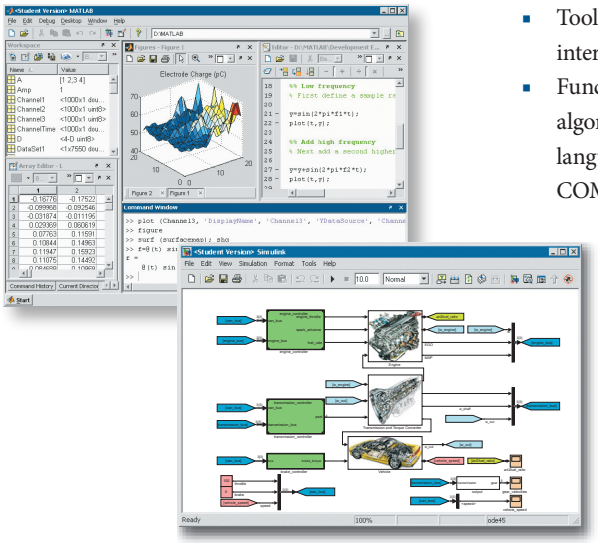
STUDENT VERSION



Your essential technical computing resource

Engineers, scientists, and mathematicians at the world's leading universities, technology companies, and government labs use MATLAB® and Simulink® to solve their most challenging technical computing problems. With MATLAB & Simulink Student Version Release 2007a, students can use the same products to complete their course work.

Student Version Release 2007a includes all the new features and capabilities found in MATLAB 7.4 and Simulink 6.6, plus several additional products that are widely used by students, engineers, industry practitioners, and scientists. These additional tools extend MATLAB and Simulink in application areas and provide a powerful teaching and learning resource for education.



MATLAB 7.4

MATLAB is a high-level technical computing language and interactive environment for algorithm development, data visualization, data analysis, and numeric computation. Using MATLAB, you can solve technical computing problems faster than with traditional programming languages and integrate your MATLAB code with other languages and applications.

Key Features

- High-level language for technical computing
- Development environment for managing code, files, and data
- Interactive tools for iterative exploration, design, and problem solving
- Mathematical functions for linear algebra, statistics, Fourier analysis, filtering, optimization, and numerical integration
- 2-D and 3-D graphics functions for visualizing data
- Tools for building custom graphical user interfaces
- Functions for integrating MATLAB based algorithms with external applications and languages, such as C, C++, Fortran, Java, COM, and Microsoft Excel

Simulink 6.6

Simulink is a platform for multidomain simulation and Model-Based Design of dynamic systems. It provides an interactive graphical environment and a customizable set of block libraries that let you accurately design, simulate, implement, and test control, signal processing, communications, and other dynamic systems. In Student Version, models can comprise up to 1,000 blocks.

Key Features

- Extensive and expandable libraries of predefined blocks
- Interactive graphical editor for assembling and managing intuitive block diagrams
- Ability to manage complex designs by segmenting models into hierarchies of design components
- Model Explorer to navigate, create, configure, and search all signals, parameters, and properties of your model
- Option to run fixed- or variable-step simulations of time-varying systems interactively or through batch simulation
- Graphical debugger to examine simulation results and diagnose unexpected behavior in your design
- Full access to MATLAB for analyzing and visualizing data, developing graphical user interfaces, and creating model data and parameters

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Accelerating the pace of engineering and science

Additional Products

- Control System Toolbox, for designing and analyzing control systems
- Signal Processing Toolbox, for performing signal processing, analysis, and algorithm development
- Signal Processing Blockset, for designing and simulating signal processing systems and devices
- Statistics Toolbox, for applying statistical algorithms and probability models
- Optimization Toolbox, for solving standard and large-scale optimization problems
- Image Processing Toolbox, for performing image processing, analysis, and algorithm development
- Symbolic math functions, for performing computations using symbolic mathematics and variable-precision arithmetic

Documentation

Student Version Release 2007a includes three books: *MATLAB & Simulink Student Version: Introduction and Installation Instructions, Getting Started with MATLAB*, and *Getting Started with Simulink*. The DVD contains complete product documentation.

Requirements for Using Student Version

MATLAB & Simulink Student Version is for academic use only; commercial and professional use is strictly prohibited. Faculty who adopt Student Version for their courses may use the product for course preparation. For more information on using Student Version in your class, contact your sales representative. Professors outside the US and Canada, please contact your local office. Go to ***www.mathworks.com/contact*** for complete contact information.

Ordering Student Version

Ask your campus bookstore to stock MATLAB & Simulink Student Version (ISBN-13: 978-0-9792239-0-7), or send your students to The MathWorks Store at ***www.mathworks.com/store*** to purchase it online. Student Version software contains activation technology; valid proof of student status is required to activate the software.

Customizing Student Version

In addition to the seven products included in Student Version Release 2007a, students can extend MATLAB and Simulink with application- and domain-specific capabilities by purchasing other toolboxes and blocksets. Visit ***www.mathworks.com/student/add-ons*** for the complete list of add-on products for Student Version.

For complete information on MATLAB & Simulink Student Version, visit ***www.mathworks.com/student***

2007a Student Version System Requirements

All Platforms

- DVD drive (for installation)
- 512 MB RAM or higher
- 600 MB disk space
- E-mail (required) and Internet access (recommended) for product activation

Microsoft® Windows®

- PC with Intel® Pentium®/Celeron®/Core, AMD, or compatible processor
- Windows Vista or Windows XP® SP2
- OpenGL® capable graphics adaptor

Apple® Macintosh®

- Mac® with either Intel or PowerPC processor
- Mac OS® X 10.4.7 or 10.4.8
- Graphics adaptor and display
- X11 (X Server)

Linux

- PC with Intel Pentium/Celeron/Core, AMD, or compatible processor
- 32-bit Linux Kernel 2.4.x or 2.6.x; or glibc 2.3.2 or above
- 16-bit or higher graphics adaptor and display (24-bit recommended)

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