

Products available through Columbia University's Campus-Wide License

[MATLAB Product Family](#)

MATLAB

AI, Data Science and Statistics

Deep Learning Toolbox
Predictive Maintenance Blockset
Statistics & Machine Learning
Toolbox
Text Analytics Toolbox
Reinforcement Learning Toolbox

Application Deployment

MATLAB Compiler
MATLAB Compiler SDK
MATLAB Production Server
MATLAB Web App Server

Code Generation

Embedded Coder
Filter Design HDL Coder
Fixed-Point Designer
GPU Coder
HDL Coder
HDL Verifier
MATLAB Coder

Database Access and Reporting

Database Toolbox
MATLAB Report Generator

Math and Optimization

Curve Fitting Toolbox
Deep Learning Toolbox
Global Optimization Toolbox
Mapping Toolbox
Optimization Toolbox
Partial Differential Equation Toolbox
Symbolic Math Toolbox

Parallel Computing

MATLAB Parallel Server
Parallel Computing Toolbox

[Simulink Product Family](#)

Simulink

System Composer

Application Deployment

Simulink Compiler

Code Generation

AUTOSAR Blockset
Embedded Coder
Fixed-Point Designer
HDL Coder
HDL Verifier
Simulink Code Inspector
Simulink Coder
Simulink PLC Coder

Event-Based Modeling

SimEvents
Stateflow

Physical Modeling

Simscape
Simscape Driveline
Simscape Electrical
Simscape Fluids
Simscape Multibody

Real-Time Simulation and Testing

Simulink Desktop Real-Time
Simulink Real-Time

Simulation Graphics and Reporting

Simulink 3D Animation
Simulink Report Generator

Verification, Validation, and Test

Simulink Check
Simulink Coverage
Simulink Design Verifier
Simulink Requirements
Simulink Test

[Application Products](#)

Aerospace

Aerospace Blockset
Aerospace Toolbox

Automotive

Automated Driving Toolbox
AUTOSAR Blockset
Model-Based Calibration Toolbox
Powertrain Blockset
RoadRunner
RoadRunner Asset Library
Vehicle Dynamics Blockset
Vehicle Network Toolbox

Autonomous Systems

Automated Driving Toolbox
Navigation Toolbox
RoadRunner
RoadRunner Asset Library
Robotics System Toolbox
ROS Toolbox
Sensor Fusion and Tracking
Toolbox

Computational Biology

Bioinformatics Toolbox
SimBiology

Computational Finance

Database Toolbox
Datafeed Toolbox
Econometrics Toolbox
Financial Instruments Toolbox
Financial Toolbox
Risk Management Toolbox
Spreadsheet Link
Trading Toolbox

Control Systems

Control System Toolbox
Fuzzy Logic Toolbox
Model Predictive Control Toolbox
Motor Control Blockset
Predictive Maintenance Toolbox
Reinforcement Learning Toolbox
Robust Control Toolbox
Simulink Control Design
Simulink Design Optimization
System Identification Toolbox

FPGA, ASIC & SoC Development

Filter Design HDL Coder
Fixed-Point Designer
HDL Coder
HDL Verifier
SoC Blockset
Vision HDL Toolbox
Wireless HDL Toolbox

Image Processing and Computer Vision

Computer Vision Toolbox
Image Processing Toolbox

RF and Mixed Signal

Antenna Toolbox
Mixed-Signal Blockset
RF Blockset
RF Toolbox
SerDes Toolbox

Signal Processing

Audio Toolbox
DSP System Toolbox
Phased Array System Toolbox
Signal Processing Toolbox
Wavelet Toolbox

Test and Measurement

Data Acquisition Toolbox
Image Acquisition Toolbox
Instrument Control Toolbox
OPC Toolbox
Vehicle Network Toolbox

Wireless Communications

5G Toolbox
Communications Toolbox
LTE Toolbox
WLAN Toolbox

[Polyspace Product Family](#)

Polyspace Bug Finder
Polyspace Code Prover

[Academic Resources](#)

MATLAB Academic Online Training
Suite
MATLAB Grader