



Products

PRODUCT FAMILY

MATLAB

Parallel Computing

Parallel Computing Toolbox
MATLAB Parallel Server

AI, Data Science, and Statistics

Statistics and Machine Learning Toolbox
Deep Learning Toolbox
Reinforcement Learning Toolbox
Deep Learning HDL Toolbox
Text Analytics Toolbox
Predictive Maintenance Toolbox

Math and Optimization

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

Reporting and Database Access

Database Toolbox
MATLAB Report Generator

Code Generation

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

Application Deployment

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

Verification, Validation, and Test

Requirements Toolbox

Simulink

Event-Based Modeling

Stateflow
SimEvents

Physical Modeling

Simscape
Simscape Driveline
Simscape Electrical
Simscape Fluids
Simscape Multibody
Simulink 3D Animation

Real-Time Simulation and Testing

Simulink Real-Time
Simulink Desktop Real-Time

Reporting

Simulink Report Generator

Systems Engineering

System Composer

Code Generation

Simulink Coder
Embedded Coder
DDS Blockset
AUTOSAR Blockset
Fixed-Point Designer
Simulink PLC Coder
Simulink Code Inspector
DO Qualification Kit (for DO-178)
IEC Certification Kit (for ISO 26262 and IEC 61508)
HDL Coder
HDL Verifier

Application Deployment

Simulink Compiler

Verification, Validation, and Test

Requirements Toolbox
Simulink Check
Simulink Coverage

Simulink Design Verifier
Simulink Test
Polyspace Access
Polyspace Bug Finder
Polyspace Bug Finder Server
Polyspace Code Prover
Polyspace Code Prover Server
Polyspace Client for Ada
Polyspace Server for Ada

APPLICATIONS

Signal Processing

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

Image Processing and Computer Vision

Image Processing Toolbox
Computer Vision Toolbox
Lidar Toolbox

Control Systems

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

Test and Measurement

Data Acquisition Toolbox
Instrument Control Toolbox
Image Acquisition Toolbox
Industrial Communication Toolbox
Vehicle Network Toolbox
ThingSpeak

Automotive

Model-Based Calibration Toolbox
Powertrain Blockset
Vehicle Dynamics Blockset
Automated Driving Toolbox
IEC Certification Kit (for ISO 26262 and IEC 61508)
Vehicle Network Toolbox
AUTOSAR Blockset
RoadRunner

RF and Mixed Signal

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

Wireless Communications

Communications Toolbox
5G Toolbox
LTE Toolbox
WLAN Toolbox
Bluetooth Toolbox
Satellite Communications Toolbox
Wireless Testbench

Robotics and Autonomous Systems

Automated Driving Toolbox
Robotics System Toolbox
UAV Toolbox
Navigation Toolbox
ROS Toolbox
Sensor Fusion and Tracking Toolbox
RoadRunner
RoadRunner Asset Library
RoadRunner Scenario
RoadRunner Scene Builder

FPGA, ASIC, and SoC Development

HDL Coder
HDL Verifier
Deep Learning HDL Toolbox
Wireless HDL Toolbox
Vision HDL Toolbox
DSP HDL Toolbox
Fixed-Point Designer
SoC Blockset

RoadRunner Asset Library
RoadRunner Scenario
RoadRunner Scene Builder

Aerospace

Aerospace Blockset
Aerospace Toolbox
UAV Toolbox
DO Qualification Kit (for DO-178)

Computational Finance

Datafeed Toolbox
Database Toolbox
Econometrics Toolbox
Financial Toolbox
Financial Instruments Toolbox
Risk Management Toolbox
Spreadsheet Link (for Microsoft Excel)

Computational Biology

Bioinformatics Toolbox
SimBiology

Code Verification

Polyspace Access
Polyspace Bug Finder
Polyspace Bug Finder Server
Polyspace Code Prover
Polyspace Code Prover Server
Polyspace Client for Ada
Polyspace Server for Ada

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