

MATLAB and Simulink Suite for Startups

MATLAB - Simulink

Parallel Computing Toolbox
MATLAB Test
System Composer
Simulink Fault Analyzer

Math and Optimization

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

AI, Data Science, and Statistics

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

Code Generation

MATLAB Coder
Simulink Coder
Embedded Coder
GPU Coder
Fixed-Point Designer
Simulink PLC Coder
Simulink Code Inspector
DDS Blockset
C2000 Microcontroller Blockset

Application Deployment

MATLAB Compiler
MATLAB Compiler SDK
Simulink Compiler

Database Access and Reporting

Database Toolbox
MATLAB Report Generator
Simulink Report Generator

Test & Measurement

Data Acquisition Toolbox
Instrument Control Toolbox
Image Acquisition Toolbox
Industrial Communication Toolbox

Computational Biology

Bioinformatics Toolbox
SimBiology

Event-Based Modeling

Stateflow
SimEvents

Aerospace

Aerospace Blockset
Aerospace Toolbox

Physical Modeling

Simscape
Simscape Battery
Simscape Driveline
Simscape Electrical
Simscape Fluids
Simscape Multibody

Real-Time Simulation and Testing

Simulink Real-Time
Simulink Desktop Real-Time

Verification, Validation, and Test

Requirements Toolbox
Simulink Check
Simulink Coverage
Simulink Design Verifier
Simulink Fault Analyzer
Simulink Test

Simulation Graphics

Simulink 3D Animation

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
Medical Imaging Toolbox

Automotive

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

Control Systems

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

RF and Mixed Signal

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

Wireless Communications

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

Autonomous Systems

Robotics System Toolbox
UAV Toolbox
Navigation Toolbox
ROS Toolbox
Sensor Fusion and Tracking Toolbox

FPGA and ASIC Design

Filter Design HDL Coder
Deep Learning HDL Toolbox
HDL Coder
HDL Verifier
DSP HDL Toolbox
Wireless HDL Toolbox
Vision HDL Toolbox
SoC Blockset

Computational Finance

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

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