Mindluster Platform

About the course Modeling and Simulation | Developer Tech

Modeling and simulation (M&S) is the use of models (e.g., physical, mathematical, or logical representation of a system, entity, phenomenon, or process) as a basis for simulations to develop data utilized for managerial or technical decision making.

Programming Category's Courses

Course Lesson(37)

Lesson 1 : **Simulink Online**

Lesson 2 : **Multicore Embedded Design**

Lesson 3 : **Managing Design Data in MATLAB and Simulink**

Lesson 4 : **Data Dictionary Managing and Migrating Design Data**

Lesson 5 : **Using the Simulink Profiler to Understand Model Execution Time**

Lesson 6 : **Simulink Lookup Tables**

Lesson 7 : **Accelerating MATLAB Application Development Using Stateflow**

Lesson 8 : **Activity Profiler in Stateflow**

Lesson 9 : **Detecting Modeling Clones**

Lesson 10 : **Protecting Intellectual Property When Sharing Models**

Lesson 11 : **New Simulink Solvers for Hybrid Systems ode1be and odeN**

Lesson 12 : **Using the C Caller Block to Call a C Function with a Global Variable Interface**

Lesson 13 : **Using the C Function Block to Integrate Custom Code in Simulink**

Lesson 14 : **Allocating Architectures of a Tire Pressure Monitoring System in System Composer**

Lesson 15 : **Variants in Stateflow**

Lesson 16 : **Event Scheduling with the Schedule Editor**

Lesson 17 : **Simulink for Virtual Vehicle Development**

Lesson 18 : **Keyboard Driven Workflows in the Simulink and Stateflow Editors**

Lesson 19 : **Configuration References**

Lesson 20 : **Multi Tool Integration Virtual Vehicle Simulation Example**

Lesson 21 : **Using DDS Middleware with Simulink**

Lesson 22 : **Component Based Modeling in Simulink**

Lesson 23 : **Data Free Parameter Pruning and Quantization**

Lesson 24 : **Scheduling for AUTOSAR Architecture Models in Simulink**

Lesson 25 : **MATLAB Online Server â€“ Host MATLAB Online on Your Infrastructure**

Lesson 26 : **Approximate Functions with HDL Optimized Lookup Tables**

Lesson 27 : **How to Import C Code into Simulink for Testing**

Lesson 28 : **Performing Parametric Analysis with System Composer**

Lesson 29 : **Using MATLAB with Python**

Lesson 30 : **Prototype FPGA Design on Hardware from the MATLAB Command Line**

Lesson 31 : **Enforce Constraints for PID Controllers**

Lesson 32 : **How to Build a Linux Executable from an AUTOSAR Adaptive Model in Simulink**

Lesson 33 : **Defining AUTOSAR Component Interfaces**

Lesson 34 : **Automate Scheduling with the Schedule Editor API**

Lesson 35 : **Improvements to Multiple Block and Line Editing**

Lesson 36 : **Search and Replace Text in Simulink Models Using Finder**

Lesson 37 : **Speed Up Simulations Using SIMD Instructions**

Related courses

React Projects Workshops

Node js back end JavaScript

Python programming language

Social Network Theme UI With Sass

Full Stack React Django

Build a Node js App With Sequelize

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