



Modeling and Simulation Using MATLAB-Simulink (Second Edition)

By Shailendra Jain

Wiley India Pvt. Ltd, 2015. Softcover. Book Condition: New. 2nd edition. The engineering profession has long been a pioneer in regard to integration of computers in the curriculum as well as teaching. Computing resources can be effectively incorporated into the subjects of electrical and electronics engineering. A brief review of current text-books from major publishers reveals that, to a large extent, the computer is now considered a support tool for the study of subjects. Development on the integration of the computing resources is now reflected in courses implemented at several universities and institutions. Preface Preface to the First Edition 1 Simulation Mechanism and Simulation Tools 1.1 Virtual Experimentation 1.2 Simulation Mechanics 1.3 Exploring Simulation Tools 1.4 Advantages and Disadvantages of MATLAB 1.5 Scope of the Book 2 Introduction to MATLAB 2.1 Introduction 2.2 Starting and Ending MATLAB 2.3 MATLAB Desktop 2.4 Help Browser 2.5 Types of Files 2.6 MATLAB Search Path 2.7 Command Input Assistance 2.8 Exploring Function Browser 3 MATLAB Basics 3.1 Basic Arithmetic Operations 3.2 Variables and Arrays 3.3 Handling Arrays (Vectors and Matrix) 3.4 Some Useful Built-in Functions 3.5 Operators and Special Characters 3.6 Control Structures 3.7 Input/Output Commands 3.8 File Handling 4 Introduction to Plotting 4.1 Introduction...



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