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# Modeling and Simulation Using MATLAB-Simuling (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

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2.6 MATLAB Search Path

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2.8 Exploring Function Browser

**3 MATLAB Basics**

3.1 Basic Arithmetic Operations

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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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