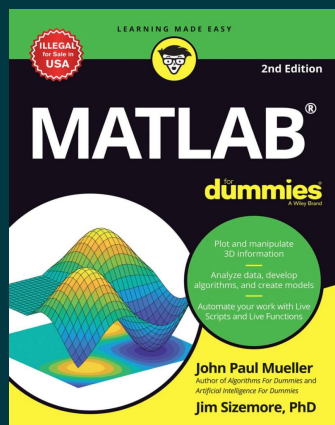




MATLAB For Dummies, 2ed

By [John Paul Mueller](#), [Jim Sizemore](#)

Paperback

9789357460354

[NOT PROVIDED]
publication_date

₹959.00

Pages : 496 pages

Description

MATLAB is a high-level language and problem-solving environment used across all the STEM (science, technology, engineering, and mathematics) fields and commonly adopted for use in colleges around the world. The computational tools within the software are powerful and can be easy to use with experience, but a comprehensive and easy-to-use manual is an essential introduction. MATLAB For Dummies is a painless introduction to one of the most popular software tools for numerical computation, visualization, and programming and will cover everything a student or new professional would need to get started.

About the Author

John Paul Mueller, Jim Sizemore

John Paul Mueller is a freelance author and technical editor. He has writing in his blood, having produced hundreds of books and articles to date. The topics range from networking to home security and from database management to heads-down programming. During his time at Cubic Corporation

Table of Contents

Introduction

About This Book

Foolish Assumptions

Icons Used in This Book

Beyond the Book

Where to Go from Here

Part 1: Getting Started With MATLAB

Chapter 1: Introducing MATLAB and Its Many Uses

- Putting MATLAB in Its Place
- Understanding how MATLAB relates to a Turing machine
- Using MATLAB as more than a calculator
- Determining why you need MATLAB
- Discovering Who Uses MATLAB for Real-World Tasks
- Knowing How to Get the Most from MATLAB
- Getting the basic computer skills
- Defining the math requirements

- Applying what you know about other procedural languages
- Understanding how this book will help you
- Getting Over the Learning Curve

Chapter 2: Starting Your Copy of MATLAB

- Installing MATLAB
- Discovering which platforms MATLAB supports
- Getting your copy of MATLAB
- Performing the installation
- Activating the product
- Meeting the MATLAB Interface
- Starting MATLAB for the first time
- Considering the default Toolstrip tabs
- Working with the Quick Access toolbar (QAT)
- Employing the Command Window
- Getting additional help with MATLAB
- Using the Current Folder toolbar
- Viewing the Current Folder window
- Changing the MATLAB layout

Chapter 3: Interacting with MATLAB

- Using MATLAB as a Calculator
- Entering information at the prompt
- Entering a formula
- Copying and pasting formulas
- Changing the Command Window formatting
- Suppressing Command Window output
- Understanding the MATLAB Math Syntax
- Adding, subtracting, multiplying, and dividing
- Working with exponents
- Organizing Your Storage Locker
- Using ans -- the default storage locker
- Creating your own storage lockers
- Operating MATLAB as More Than a Calculator
- Learning the truth
- Using the built-in functions
- Accessing the function browser
- Recovering from Mistakes
- Understanding the MATLAB error messages
- Stopping MATLAB when it hangs

Chapter 4: Starting, Storing



