

1. Record Nr.	UNINA9910583500603321
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Titolo	MATLAB: A Practical Introduction to Programming and Problem Solving
Pubbl/distr/stampa	Butterworth-Heinemann, 2018 Oxford, United Kingdom ; ; Cambridge, MA, United States : , : Elsevier, B/H, Butterworth-Heinemann, , [2019]
ISBN	0-12-816345-3 0-12-815479-9
Edizione	[Fifth edition.]
Descrizione fisica	1 online resource : illustrations (some color)
Collana	MATLAB examples
Disciplina	518.0285536
Soggetti	Numerical analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Part 1: Introduction to programming using MATLAB -- Introduction to MATLAB -- Vectors and matrices -- Introduction To MATLAB programming -- Selection statements -- Loop statements and vectorizing code -- MATLAB programs -- Text manipulation -- Data structures -- Part 2: Advanced topics for problem solving with MATLAB -- Data transfer -- Advanced functions -- Introduction to object-oriented programming and graphics -- Advanced plotting techniques -- Sights and sounds -- Advanced mathematics.
Sommario/riassunto	MATLAB: A Practical Introduction to Programming and Problem Solving, Fifth Edition, winner of a 2017 Textbook Excellence Award (Texty), guides the reader through both programming and built-in functions to easily exploit MATLAB's extensive capabilities for tackling engineering problems. The book starts with programming concepts, such as variables, assignments and selection statements, moves on to loops, and then solves problems using both the programming concept and power of MATLAB. This updated edition reflects the functionality of the current version of MATLAB, including the addition of local functions in scripts in Chapter 3, reworked chapters (7: String Manipulation, and 9: Data Transfer). In addition, coverage of recently introduced functions, including jsondecode and jsonencode, and updates to the Live Editor and to App Designer are included.

