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Descrizione fisica	1 online resource (280 p.)
Collana	Learn by doing : less theory, more results
Disciplina	005.55 518.0285536
Soggetti	Anàlisi numèrica - Informàtica Llenguatges de programació Numerical analysis - Data processing Programming languages (Electronic computers)
Lingua di pubblicazione	Inglese
Lingua di pubblicazione Formato	Inglese Materiale a stampa
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Lingua di pubblicazione Formato Livello bibliografico Note generali	Inglese Materiale a stampa Monografia Includes index.

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	dimensional arrays; Structures and cell arrays; Structures; Time for action - instantiating a structure; Accessing structure fields Cell arraysTime for action - instantiating a cell array; Getting information; Time for action - using whos; Size, rows, columns, and length; Identifying the variable type; Deleting variables from the workspace; A few things that make life easier; Basic arithmetic; Addition and subtraction; Time for action - doing addition and subtraction operations; Matrix multiplication; Time for action - doing multiplication operations; Element-by-element, power, and transpose operations; Operators for structures and cell arrays; Solving linear equation systems: left and right division Time for action - doing left and right division and precedence rules; Precedence rules; Time for action - working with precedence rules; A few hints; Summary; Chapter 3: Working with Octave: Functions and Plotting; Octave functions; Mathematical functions; Time for action - using the cos function; Polynomials in Octave; More complicated mathematical functions; Time for action - putting together mathematical functions; Helper functions; Generating random numbers; min and max; Sorting arrays find, any, and allfloor, ceil, round, and fix; Time for action - trying out floor, ceil, round, and fix; sum and prod; Absolute values; Complex input arguments; Operator functions; Linear algebra; Time for action - using Octave for advanced linear algebra; Polynomials; Two- dimensional plotting; Time for action - making your first plot; plot and set; Time for action - changing the figure properties; Adding lines and text to your plot; Plot styles and colors; Title and legends; Ticks; Grids; fplot; Clear the figure window; Moving on; Time for action - having multiple graphs in the same figure Multiple figure windows
Sommario/riassunto	Become a proficient Octave user by learning this high-level scientific numerical tool from the ground up