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Nota di contenuto	Chapter 1. Starting and Using Matlab -- Chapter 2. How a Computer Calculates -- Chapter 3. Plotting Functions and Curves -- Chapter 4. Some Elementary Functions -- Chapter 5. Computing with Multiple Precision -- Chapter 6. Solving Linear Equations -- Chapter 7. Recursion -- Chapter 8. Iteration and Nonlinear Equations -- Chapter 9. Simulation -- Chapter 10. Solutions of Problems -- Bibliography.
Sommario/riassunto	This comprehensive and stimulating introduction to Matlab, a computer language now widely used for technical computing, is based on an introductory course held at Qian Weichang College, Shanghai University, in the fall of 2014. Teaching and learning a substantial programming language aren't always straightforward tasks. Accordingly, this textbook is not meant to cover the whole range of this high-performance technical programming environment, but to motivate first- and second-year undergraduate students in

mathematics and computer science to learn Matlab by studying representative problems, developing algorithms and programming them in Matlab. While several topics are taken from the field of scientific computing, the main emphasis is on programming. A wealth of examples are completely discussed and solved, allowing students to learn Matlab by doing: by solving problems, comparing approaches and assessing the proposed solutions.
