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Autore	Gupta Abhishek
Titolo	Numerical Methods using MATLAB [[electronic resource] /] / by Abhishek Gupta
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Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (147 p.)
Collana	MATLAB solutions series Numerical methods using MATLAB
Disciplina	518.0285/536
Soggetti	Programming languages (Electronic computers) Computer programming Programming Languages, Compilers, Interpreters Programming Techniques
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Chapter 1: Introduction to MATLAB -- Chapter 2: Matrix representation, operations and vectorization -- Chapter 3: Numerical techniques -- Chapter 4: Visualization -- Chapter 5: Introduction to simulation -- Chapter 6: Monte Carlo simulations -- Chapter 7: Optimization -- Chapter 8: Evolutionary computations -- Chapter 9: Regression and model fitting -- Chapter 10: Differential equations and system dynamics.
Sommario/riassunto	Numerical Methods with MATLAB provides a highly-practical reference work to assist anyone working with numerical methods. A wide range of techniques are introduced, their merits discussed and fully working MATLAB code samples supplied to demonstrate how they can be coded and applied. Numerical methods have wide applicability across many scientific, mathematical, and engineering disciplines and are most often employed in situations where working out an exact answer to the problem by another method is impractical. Numerical Methods with MATLAB presents each topic in a concise and readable format to help you learn fast and effectively. It is not intended to be a reference work to the conceptual theory that underpins the numerical methods themselves. A wide range of reference works are readily available to supply this information. If, however, you want assistance in applying

numerical methods then this is the book for you.
