

1. Record Nr.	UNINA9910457566203321
Autore	Hunt Brian R.
Titolo	A guide to MATLAB : for beginners and experienced users // Brian R. Hunt, Ronald L. Lipsman, Jonathan M. Rosenberg, with Kevin R. Coombes, John E. Osborn, and Garrett J. Stuck [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2006
ISBN	1-107-15368-9 0-511-79128-3 0-511-64827-8 0-511-21917-2 0-511-56811-8 0-511-21985-7
Edizione	[Second edition.]
Descrizione fisica	1 online resource (xv, 311 pages) : digital, PDF file(s)
Disciplina	620.002855369
Soggetti	Numerical analysis - Data processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di contenuto	1. Getting Started -- 2. MATLAB Basics -- 3. Interacting with MATLAB -- Practice Set A Algebra and Arithmetic -- 4. Beyond the Basics -- 5. MATLAB Graphics -- Practice Set B Calculus, Graphics, and Linear Algebra -- 6. MATLAB Programming -- 7. Publishing and M-Books -- 8. Simulink -- 9. GUIs -- 10. Applications -- Practice Set C Developing Your MATLAB Skills -- 11. Troubleshooting -- Solutions to the Practice Sets.
Sommario/riassunto	This is a short, focused introduction to MATLAB, a comprehensive software system for mathematical and technical computing. It contains concise explanations of essential MATLAB commands, as well as easily understood instructions for using MATLAB's programming features, graphical capabilities, simulation models, and rich desktop interface. Written for MATLAB 7, it can also be used with earlier (and later) versions of MATLAB. This book teaches how to graph functions, solve equations, manipulate images, and much more. It contains explicit instructions for using MATLAB's companion software, Simulink, which allows graphical models to be built for dynamical systems. MATLAB's

new "publish" feature is discussed, which allows mathematical computations to be combined with text and graphics, to produce polished, integrated, interactive documents. For the beginner it explains everything needed to start using MATLAB, while experienced users making the switch to MATLAB 7 from an earlier version will also find much useful information here.
