



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, Garrett J. Stuck

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A Guide to MATLAB

This book is a short, focused introduction to MATLAB, a comprehensive software system for mathematics and technical computing. It will be useful to both beginning and experienced users. It contains concise explanations of essential MATLAB commands, as well as easily understood instructions for using MATLAB's programming features, graphical capabilities, and desktop interface. It also includes an introduction to SIMULINK, a companion to MATLAB for system simulation.

Written for MATLAB 6, this book can also be used with earlier (and later) versions of MATLAB. This book contains worked-out examples of applications of MATLAB to interesting problems in mathematics, engineering, economics, and physics. In addition, it contains explicit instructions for using MATLAB's Microsoft Word interface to produce polished, integrated, interactive documents for reports, presentations, or online publishing.

This book explains everything you need to know to begin using MATLAB to do all these things and more. Intermediate and advanced users will find useful information here, especially if they are making the switch to MATLAB 6 from an earlier version.

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