

[PDF] MATLAB: An Introduction With Applications

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Description:

From the Back Cover Master MATLAB®!

If you want a clear, easy-to-use introduction to MATLAB®, this book is for you! The *Third Edition* of Amos Gilat's popular *MATLAB®, An Introduction with Applications* requires no previous knowledge of MATLAB and computer programming as it helps you understand and apply this incredibly useful and powerful mathematical tool.

Thoroughly updated to match MATLAB®'s newest release, MATLAB® 7.3 (R2007b), the text takes you step by step through MATLAB®'s basic features—from simple arithmetic operations with scalars, to creating and using arrays, to three-dimensional plots and solving differential equations.

You'll appreciate the many features that make it easy to grasp the material and become proficient in using MATLAB®, including:

- Sample and homework problems that help you hands-on practice solving the kinds of problems you'll encounter in future science and engineering courses
- New coverage of the Workspace Window and the save and load commands, Anonymous Functions, Function Functions, Function Handles, Subfunctions and Nested Functions
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By showing you not just how MATLAB® works but how to use it with real-world applications in mathematics, science, and engineering, *MATLAB®, An Introduction with Applications, Third Edition* will turn you into a MATLAB® master faster than you imagined.

About the Author Amos Gilat, Ph.D., is a Mechanical Engineering Professor at the Ohio State University. Dr. Gilat's research has been supported by the National Science Foundation, NASA, FAA, Department of Energy, Department of Defense, and various industries.

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