



# Undocumented Secrets of MATLAB-Java Programming

By Yair M. Altman

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**Undocumented Secrets of MATLAB-Java Programming** By Yair M. Altman

For a variety of reasons, the MATLAB®-Java interface was never fully documented. This is really quite unfortunate: Java is one of the most widely used programming languages, having many times the number of programmers and programming resources as MATLAB. Also unfortunate is the popular claim that while MATLAB is a fine programming platform for prototyping, it is not suitable for real-world, modern-looking applications. **Undocumented Secrets of MATLAB®-Java Programming** aims to correct this misconception.

This book shows how using Java can significantly improve MATLAB program appearance and functionality, and that this can be done easily and even *without any prior Java knowledge*.

Readers are led step-by-step from simple to complex customizations. Code snippets, screenshots, and numerous online references are provided to enable the utilization of this book as both a sequential tutorial and as a random-access reference suited for immediate use. Java-savvy readers will find it easy to tailor code samples for their particular needs; for Java newcomers, an introduction to Java and numerous online references are provided.

This book demonstrates how

- The MATLAB programming environment relies on Java for numerous tasks, including networking, data-processing algorithms and graphical user-interface (GUI)
- We can use MATLAB for easy access to external Java functionality, either third-party or user-created
- Using Java, we can extensively customize the MATLAB environment and

application GUI, enabling the creation of visually appealing and usable applications

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#### About the Author

**Yair Altman**, author of the extremely popular UndocumentedMatlab.com website, is well respected in the MATLAB community as the de-facto guru on undocumented MATLAB features and the MATLAB-Java interface in particular.

Yair holds a BSc in Physics and an MSc in Computer Science, has over 20 years of programming experience at various levels of responsibility, and currently consults for several software development projects.

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