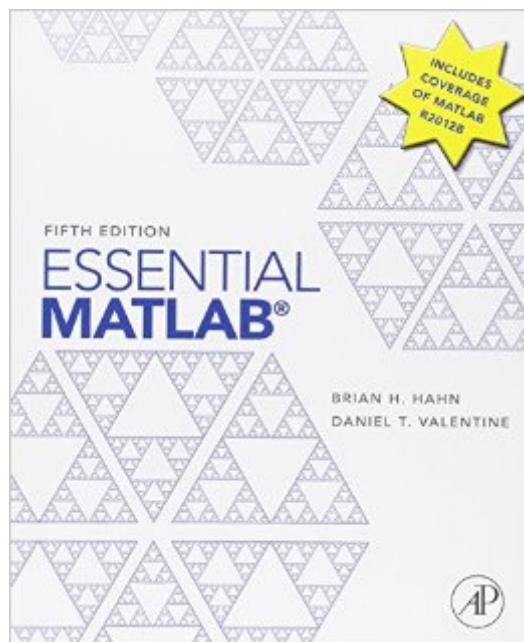


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# Essential MATLAB For Engineers And Scientists, Fifth Edition



## Synopsis

The fifth edition of Essential MATLAB for Engineers and Scientists provides a concise, balanced overview of MATLAB's functionality that facilitates independent learning, with coverage of both the fundamentals and applications. The essentials of MATLAB are illustrated throughout, featuring complete coverage of the software's windows and menus. Program design and algorithm development are presented clearly and intuitively, along with many examples from a wide range of familiar scientific and engineering areas. This is an ideal book for a first course on MATLAB or for an engineering problem-solving course using MATLAB, as well as a self-learning tutorial for professionals and students expected to learn and apply MATLAB. Updated with the features of MATLAB R2012b

Expanded discussion of writing functions and scripts

Revised and expanded Part II: Applications

Expanded section on GUIs

More exercises and examples throughout

Companion website for students providing M-files used within the book and selected solutions to end-of-chapter problems

## Book Information

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## Customer Reviews

After trying several "how-to" books I tried this one. It is a winner and is written by an excellent teacher. I have MatLab because it is required by the book: "Tutorial on Neural Systems Modeling". And MatLab seems to have a very steep learning curve, and this book seems to scale the methods of ML successfully. I have used various such programs over the years: Basic, from DOS thru 3 HP versions and Visual Basic, Mathcad, 2 versions of Linux, C, C+, Mathematica etc. Also MatLab is

based on Matrices, and I have had undergrad vectors, graduate course in Matrices, and a few Matrix Quantum Mechanics courses. However I found Matlab almost insurmountable. Hahn and Valentine overcome these drawbacks and even show where tutorials can also be found on the MatLab site. As an aside, it took from last October through this February to learn some part of MatLab. And several books later did help-some until this summer when I bought this book. I find this book to be the answer to my learning difficulties.

The book is designed for the novice, and does not really delve into finer details. It is relatively thin book with 400 pages. The audience is newbies with virtually no knowledge of Matlab basics (navigation of IDE, variables, numbers etc) If you have previously worked with MatLab (or other software such as Maple, Mathematica, etc) before, this book maybe of little use other than a quick refresher. Most of the information in the book is available on the web. Good as a quick reference, and simple starter examples.

Essential MatLab for Engineers and Scientists is an excellent introduction to MatLab and I would assume a good reference for experienced users. I purchased the R2013b version of the program whereas the text appears to be based on the 2012 version. In general, I think that should require the publishers to indicate the version of software on which the ebooks are based as I have downloaded ebooks that are not at all useful for the current versions. If the author updates the text of Essential MatLab for Engineers and Scientists, I would like to see additional information on the use of Tex and/or LaTex to incorporate Greek and other symbols for publishing MatLab output.

It is an excellent introductory book, which I often use as a reference. It is well written; it has good structure and useful examples. It would be very useful if you just started to use Matlab and it provides good overview of Matlab's major functions.

This is a good starter book for getting familiar with using MatLab. I would recommend this book to anyone not fluent in MatLab

OK introduction - some typos though beware (specifically page 101 referring to the Appendix of MATLAB tables and boolean functions in chapter 3 example m file). I'm not finished reading it yet.

This book is for those who know the Matlab. It is not for the beginners in Matlab. Even, if you know

Matlab,sometimes you referto an easier book for Matlab.

Very good overview of Matlab syntax and semantics plus good multi-domain examples. This is one of my main go-to references for working in the Matlab environment.

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