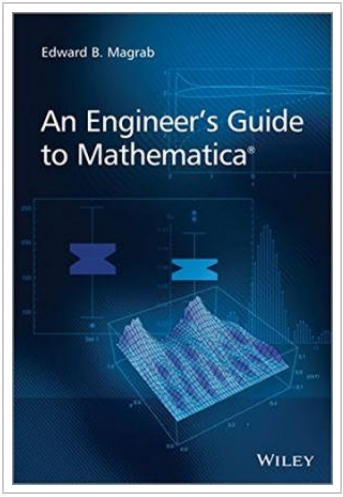

An Engineer s Guide to Mathematica (R) (Paperback)

By Edward B. Magrab

John Wiley Sons Inc, United States, 2014. Paperback. Condition: New. 1. Auflage. Language: English . Brand New Book. Free Mathematica 10 Update Included! Now available from Updated material includes: - Creating regions and volumes of arbitrary shape and determining their properties: arc length, area, centroid, and area moment of inertia - Performing integrations, solving equations, and determining the maximum and minimum values over regions of arbitrary shape - Solving numerically a class of linear second order partial differential equations in regions of arbitrary shape using finite elements An Engineer s Guide to Mathematica enables the reader to attain the skills to create Mathematica 9 programs that solve a wide range of engineering problems and that display the results with annotated graphics. This book can be used to learn Mathematica, as a companion to engineering texts, and also as a reference for obtaining numerical and symbolic solutions to a wide range of engineering topics. The material is presented in an engineering context and the creation of interactive graphics is emphasized. The first part of the book introduces Mathematica s syntax and commands useful in solving engineering problems. Tables are used extensively to illustrate families of commands and the effects that different...

Reviews

Complete guide! Its such a great study. I am quite late in start reading this one, but better then never. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- ***Dr. Hermann Marvin PhD***

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-- ***Jayme Beier***