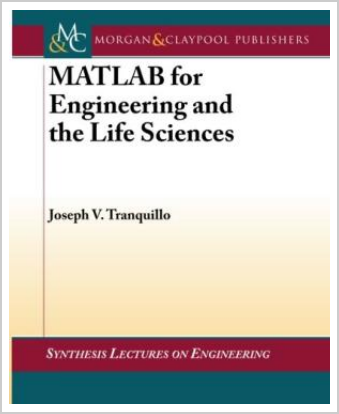

MATLAB for Engineering and the Life Sciences Synthesis Lectures on Engineering

By Joseph V. Tranquillo

Morgan & Claypool Publishers. Paperback. Book Condition: New. Paperback. 136 pages. Dimensions: 9.2in. x 7.5in. x 0.3in.In recent years, the life sciences have embraced simulation as an important tool in biomedical research. Engineers are also using simulation as a powerful step in the design process. In both arenas, Matlab has become the gold standard. It is easy to learn, flexible, and has a large and growing userbase. MATLAB for Engineering and the Life Sciences is a self-guided tour of the basic functionality of MATLAB along with the functions that are most commonly used in biomedical engineering and other life sciences. Although the text is written for undergraduates, graduate students and academics, those in industry may also find value in learning MATLAB through biologically inspired examples. For instructors, the book is intended to take the emphasis off of learning syntax so that the course can focus more on algorithmic thinking. Although it is not assumed that the reader has taken differential equations or a linear algebra class, there are short introductions to many of these concepts. Following a short history of computing, the MATLAB environment is introduced. Next, vectors and matrices are discussed, followed by matrix-vector operations. The core programming elements...

Reviews

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Merely no words to clarify. I could comprehended almost everything using this published e publication. It is extremely difficult to leave it before concluding, once you begin to read the book.

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