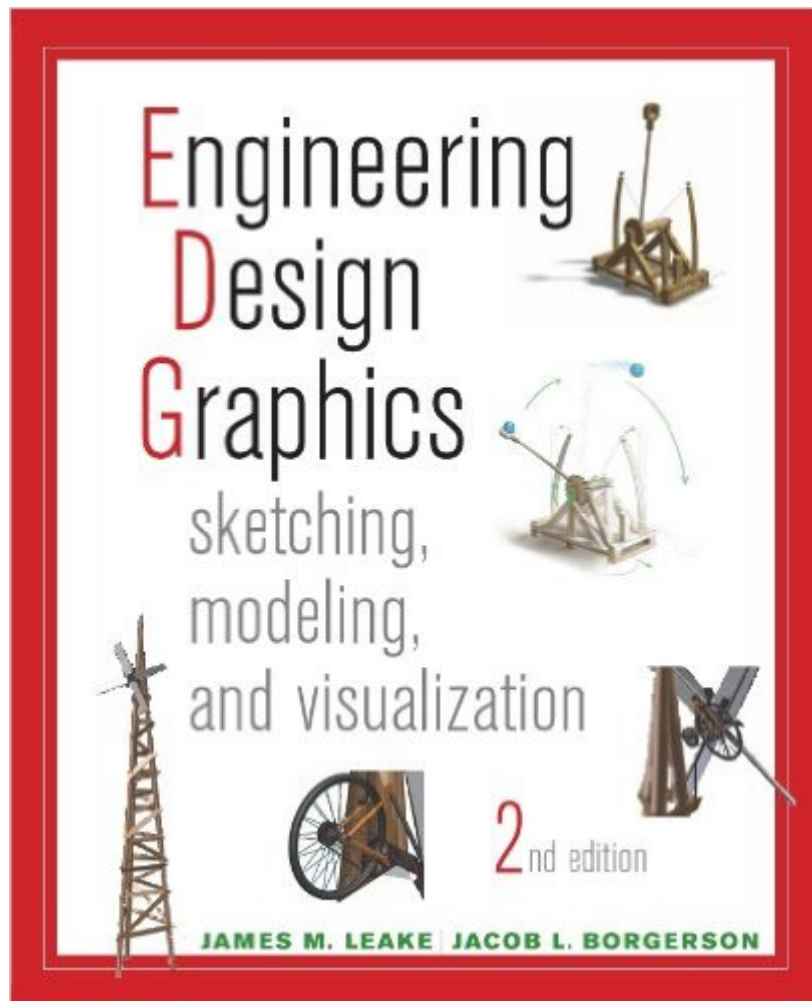


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# Engineering Design Graphics: Sketching, Modeling, And Visualization, 2nd Edition



## Synopsis

Providing a clear, concise treatment of the essential topics addressed in a modern engineering design graphics course, this text concentrates on teaching hand-drawing as a skill and a vital component of the design process. Unlike texts that reduce drawing to a computer-based task, Leake and Borgerson's book emphasizes the role of sketching in conceptualizing a design solution. This reflects the growing trend in engineering graphics courses, in which hand-drawing is used for developing a design and computer tools are used for the final iterations. By providing a brief, skills-based approach, this reasonably priced volume - which includes several hundred sketching problems - is well positioned to offer a compelling alternative to the large volumes by Giesecke and Bertoline. Alongside its coverage of hand-drawing skills, this text also provides a chapter on computer-aided design software, with an emphasis on parametric solid modeling.

## Book Information

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## Customer Reviews

I enjoyed this book and found it to be an excellent resource work. It is a little difficult to read cover to

cover only in that each concept is covered very briefly... sometimes in as little as one or two sentences. Another example or two... or a few more sentences of explanation... would have been helpful for a number of the concepts. I do recommend this book for anyone that wants to learn about this subject.

While I'm interested in learning drafting techniques, which this book is designed to show you, my main interest is in 3D graphics using tools like Blender or 3DS Max. This book gives you hand-drawn lessons that can be translated to 3D modeling. In fact, chapter three contains nearly 80 "homework" drawings that make for great 3D modeling practice. (I've posted an example image, click the book cover to see.) I'm not an engineer or a student, so I can't speak to it being useful in class or out in the field--for my use, though, it was a worthwhile read. The downgraded star is for the cost, the same information sold to a general audience instead of an academic audience would have likely been half as much; however it does get four stars for its thoroughness, clarity, and abundance of examples to practice. Bottom line: Despite the good quality of the instruction and examples, unless you are new to 3D modeling or you plan on doing some engineering-style sketching, then this book may not be worth the price for your needs.

Very detailed, small and light enough to carry around. Definitely worth the price

college required

The book is barely used in class, except for two assignments that are worth almost nothing, and you can photocopy the pages used from someone's!

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