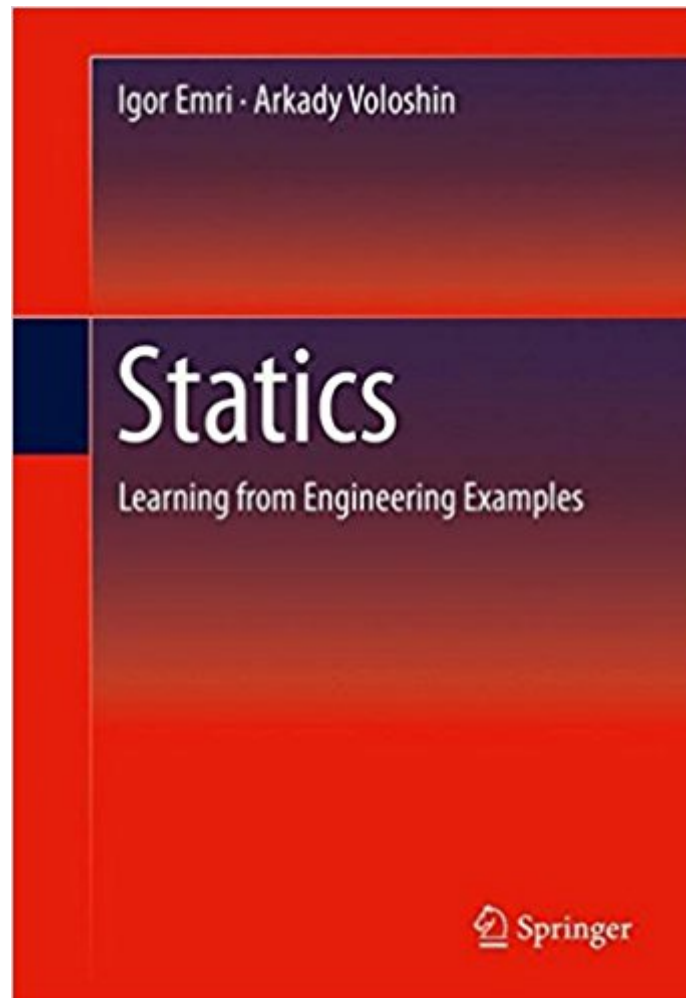




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Statics: Learning From Engineering Examples



Synopsis

This textbook introduces and explains the basic concepts on which statics is based utilizing real engineering examples. The authors emphasize the learning process by showing a real problem, analyzing it, simplifying it, and developing a way to solve it. This feature teaches students intuitive thinking in solving real engineering problems using the fundamentals of Newton's laws. This book also:

- Stresses representation of physical reality in ways that allow students to solve problems and obtain meaningful results
- Emphasizes identification of important features of the structure that should be included in a model and which features may be omitted
- Facilitates students' understanding and mastery of the "flow of thinking" practiced by professional engineers

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