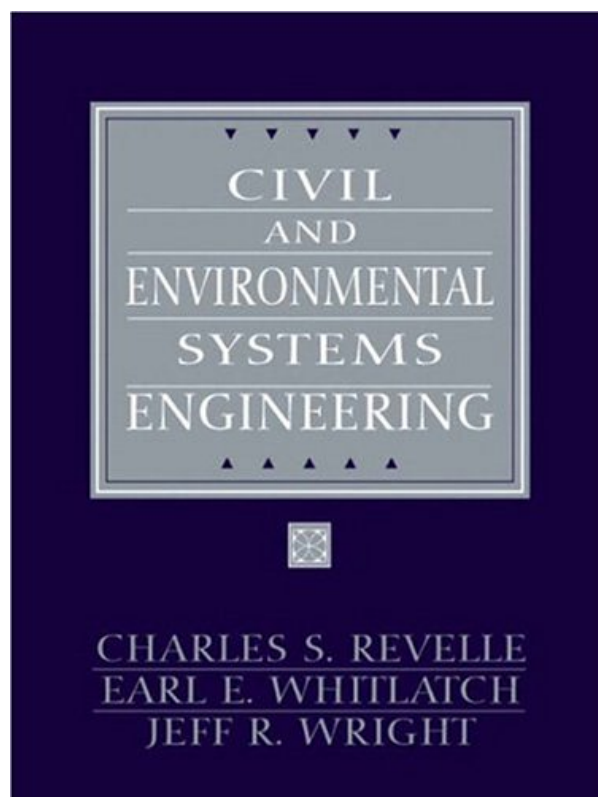
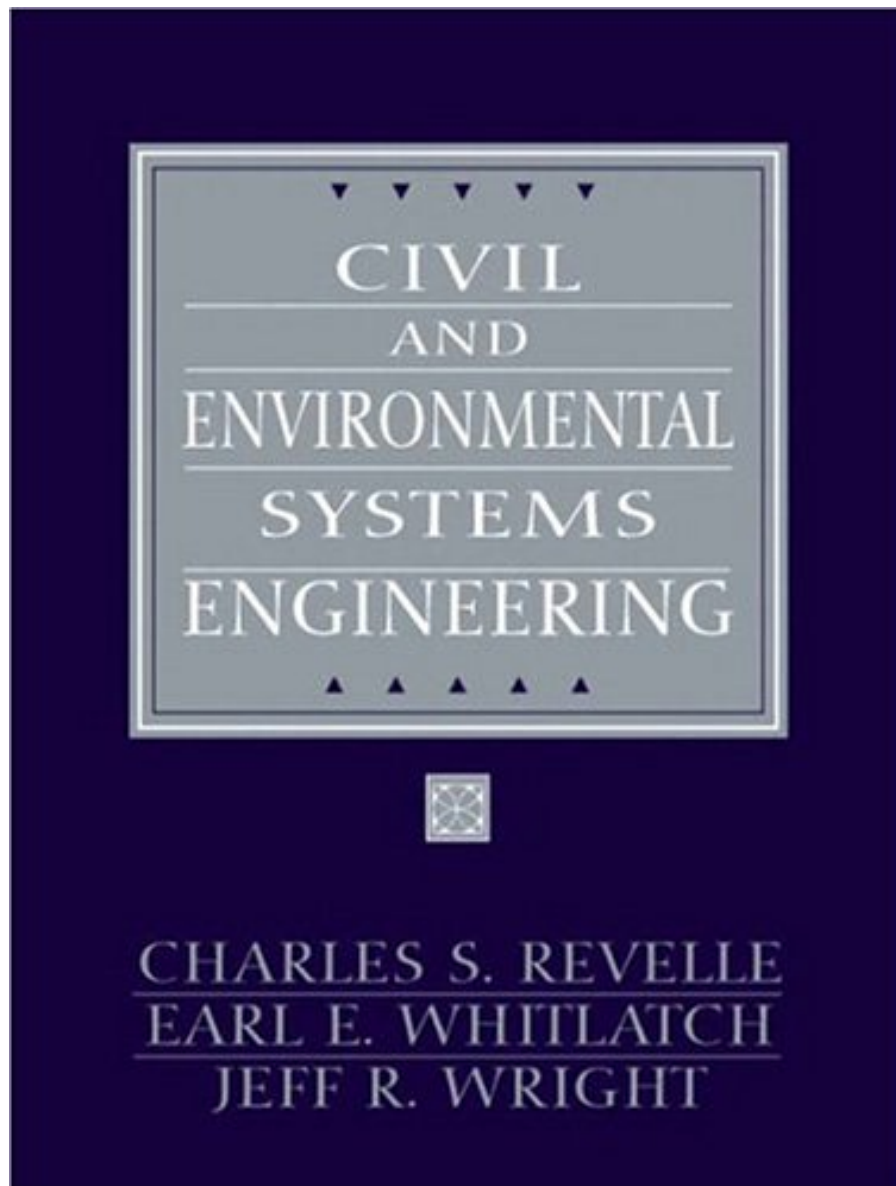


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Broad and comprehensive in coverage -- and student-friendly in approach -- this text focuses on the most modern skills available for the design, operation and evaluation of civil and environmental engineering systems -- optimization/systems modeling and engineering economics. Exceptionally practical, it features several chapters that present new techniques and methodologies in the context of real-life problem situations.

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With a major reorganization and a plethora of new material, the Second Edition of this acclaimed book is designed to provide exposure to modeling ideas and concepts prior to introducing the mathematical process of model building. Network flow problems are emphasized by being presented separately from the general integer programming models that are considered. With an even broader range of examples and exercises that conclude many chapters, this book offers readers an extremely practical, accessible overview of the most modern skills available for the design, operation and evaluation of civil and environmental engineering systems. For professionals with a career in engineering, environmental science, economics, and/or construction.

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- 552 pages

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7 of 7 people found the following review helpful.

Disappointment

By OSU CE Student

This book is required for several courses in the civil engineering major at Ohio State University. I am a current student and had to "use" this book for one of my classes last quarter. The focus is on the economics of engineering projects, specifically waste water treatment plants/systems. The book explains nothing in very brief sections, yet asks homework questions about topics neither brought up nor explained in any depth/example. I feel as though no serious time or thought went into writing this book and I am extremely disappointed that this book was chosen to be used (possibly because one of the authors is a current and longtime faculty member??). Avoid if you can.

3 of 3 people found the following review helpful.

Too much text, not enough example

By Amazon Customer

The subjects in this book are extremely broad and have a wide range of applications for systems engineering.

So, I understand why the text was broad (they don't want to teach one method as if that's the only way of finding the answer), but that makes it so much more difficult to come up with AN answer. Luckily, most topics in this book aren't really all that complicated. But I remember some instances of staring at a table for 10 minutes trying to find out the pattern that was there while re-reading through the unnecessarily wordy text.

Not a fun book at all. I can't remember the name of the book at the moment, but I know that most of what I learned from systems engineering from another text with more detailed examples and an Excel-based approach for teaching solutions (even though that is not the ONLY answer).

2 of 2 people found the following review helpful.

OK

By Cc

Book provided the needed information to learn the subject. It however had numerous mistakes and our professor wasn't pleased with how things were laid out.

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