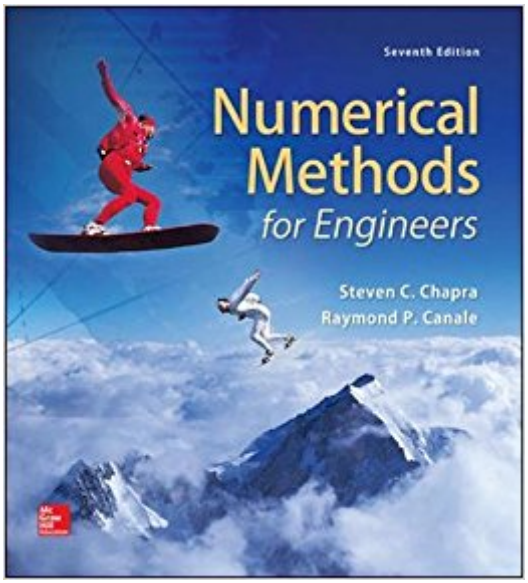
Numerical Methods For Engineers (Civil Engineering)



Synopsis

The seventh edition of Chapra and Canale's Numerical Methods for Engineers retains the instructional techniques that have made the text so successful. Chapra and Canale's unique approach opens each part of the text with sections called Ã¢â ¬Å“Motivation,Ã¢â ¬Å“ Ã¢â ¬Å“Mathematical Background,Ã¢â ¬Â• and Ã¢â ¬Å“OrientationÃ¢â ¬Â• Each part closes with an Ã¢â ¬Å“EpilogueÃ¢â ¬Â• containing Ã¢â ¬Å“Trade-Offs,Ã¢â ¬Â• Ã¢â ¬Å“Important Relationships and Formulas,Ã¢â ¬Â• and Ã¢â ¬Å“Advanced Methods and Additional References.Ã¢â ¬Â• Much more than a summary, the Epilogue deepens understanding of what has been learned and provides a peek into more advanced methods. Numerous new or revised problems are drawn from actual engineering practice. The expanded breadth of engineering disciplines covered is especially evident in these exercises, which now cover such areas as biotechnology and biomedical engineering. Excellent new examples and case studies span all areas of engineering giving students a broad exposure to various fields in engineering.

Book Information

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Customer Reviews

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I needed this for a class and it came to me in new condition (yay!). The material within the book is

pretty good. They teach the information and have plenty of examples that can usually help you through the problem sets. However, it helps to have a professor that walks through his/her own problems as well because there are no answer keys so it is difficult to tell if you are on the right path to figuring out the problems.

The book is fairly straightforward, the examples are okay. I just wish my professor was actually good at teaching what was in this book.

Needed this for class and it came as expected.

Basic numerical methods textbook. Well explained and enough examples included.

My professor required the use of this textbook while taking his course but I have had many issues with it. There are many extensive topics touched on in the text but sample problems are few and far between leaving much to be desired when trying to learn each topic based off of poorly written explanations. The problems at the end of each chapter are not very clear on what is being asked of you and the absence of answers to these problems at the back of the book, like most textbooks, makes knowing if your getting the correct answer or not impossible without searching online for a solutions manual. I would not recommend this book.

My favorite part about this textbook is that it has unit-guides which are like a table-of-contents flowchart, which helped me use the textbook and understand the scope of the material I wanted very quickly. I appreciate that greatly because programming was not easy for me to learn, and I needed all of the time I could get. I found it to be fairly clear plain language style reading too. I don’t really have any gripes that come to mind; I just think it’s a nice book.

No problems.

Good serviece

for Engineers & Scientists Numerical Methods for Engineers and Scientists Applied Numerical Methods with MATLAB for Engineers and Scientists Applied Numerical Methods for Engineers and Scientists Numerical Methods for Scientists and Engineers (Dover Books on Mathematics) Numerical Methods for Engineers and Scientists Using MATLABÃ Â®, Second Edition Numerical Methods for Engineers and Scientists, Second Edition, Numerical Methods in Biomedical Engineering Numerical and Statistical Methods for Bioengineering (Cambridge Texts in Biomedical Engineering) Numerical and Statistical Methods for Bioengineering: Applications in MATLAB (Cambridge Texts in Biomedical Engineering) Numerical Methods in Geotechnical Engineering Civil War: American Civil War in 50 Events: From the Very Beginning to the Fall of the Confederate States (War Books, Civil War History, Civil War Books) (History in 50 Events Series Book 13) Practice Problems for the Civil Engineering PE Exam: A Companion to the Civil Engineering Reference Manual, 15th Ed Practice Problems for the Civil Engineering PE Exam: A Companion to the Civil Engineering Reference Manual, 14th Ed Strengthening of Reinforced Concrete Structures: Using Externally-Bonded Frp Composites in Structural and Civil Engineering (Woodhead Publishing Series in Civil and Structural Engineering) Practice Problems for the Civil Engineering PE Exam: A Companion to the Civil Engineering Reference Manual, 13th Ed Experimental Methods for Engineers (McGraw-Hill Mechanical Engineering)