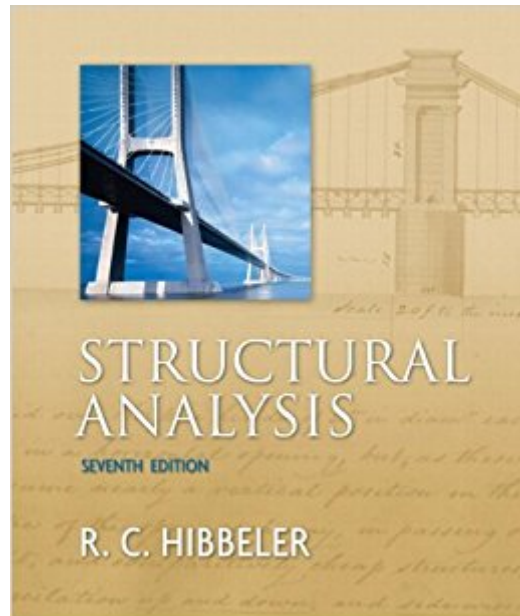The book was found

Structural Analysis (7th Edition)

Synopsis

This book provides students with a clear and thorough presentation of the theory and application of structural analysis as it applies to trusses, beams, and frames. Emphases are placed on teaching readers to both model and analyze a structure. A hallmark of the book, Procedures for Analysis, has been retained in this edition to provide learners with a logical, orderly method to follow when applying theory. Chapter topics include types of structures and loads, analysis of statically determinate structures, analysis of statically determinate trusses, internal loadings developed in structural members, cables and arches, influence lines for statically determinate structures, approximate analysis of statically indeterminate structures, deflections, analysis of statically indeterminate structures by the force method, displacement method of analysis: slope-deflection equations, displacement method of analysis: moment distribution, analysis of beams and frames consisting of nonprismatic members, truss analysis using the stiffness method, beam analysis using the stiffness method, and plane frame analysis using the stiffness method. For individuals planning for a career as structural engineers.

Book Information

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Customer Reviews

Russ Hibbeler graduated from the University of Illinois-Urbana with a B.S. in Civil Engineering (major in structures) and an M.S. in Nuclear Engineering. He obtained his Ph.D. in Theoretical and Applied Mechanics from Northwestern University. Hibbeler™s professional experience includes postdoctoral work in reactor safety and analysis at Argonne National Laboratory, and structural work at Chicago Bridge and Iron, Sargent and Lundy, Tucson. He has practiced engineering in Ohio,

New York, and Louisiana. He has taught at the University of Illinois-Urbana, Youngstown State University, Illinois Institute of Technology, and Union College. Hibbeler currently teaches at the University of Louisiana-Lafayette.

I already rated the CD that comes with the book in accident instead of the book so I will keep this short. This book is a must have for civil/structural majors. I bought it in undergrad, kept it after the classes I used it for were over and know I use it for review or reference in my grad classes. Love this book. It's very simple to read, good intro to structural analysis and great reference for when you need to remember a specific analysis method. Structural students buy this book and keep it.

This book is written in a format that is easy to follow and understand, examples are plenty and explained well. Includes plenty of problems to work through; this is one of the few books were I can't say that the problems are much harder/different than the given examples because the basic fundamentals and steps applied to an example will solve any problem in the chapter.

Good book. I like it. Got a C in the class and passed it thanks to this book. I had a rough quarter and didn't go to class and this book helped me pull through and pass.

As the author Hibbler does in all of his textbooks, there is little to no explanation surrounding the theory of the topics. 20% of the textbook is explanation of the topics, while the rest of the textbook contains examples and problems. Many of the problems are much more complex than the examples given, but if you have a good professor for the class, you should be alright. That being said, Hibbler does a good job of depicting all of the structural analysis methods in a very simple, easy-to-understand way. Therefore if you read this textbook, you will learn a lot, especially simple and short cut ways to solve structural analysis problems.

Very Fantastic! Delievery is too awesome! The book reached my apartment even one day before the promised earliest day. The book is also in good condition! Thank you so much!

A few of these questions might have been on the FE. Might have been the professor, but I felt like I had a solid grasp on the subject matter after the course.

The professor recommended the older edition of this textbook and so this is what we are using. This

copy was good and clear and fit the bill.

Good book, I like learning by doing examples and lots of problems.

Structural Analysis and Synthesis: A Laboratory Course in Structural Geology 3rd (third) edition by Rowland, Stehen M., Duebendorfer, Ernest M., Schiefelbein, I published by Wiley-Blackwell (2007) [Spiral-bound] Structural Analysis and Synthesis: A Laboratory Course in Structural Geology, 2nd Edition Structural Analysis and Synthesis: A Laboratory Course in Structural Geology Structural Analysis (7th Edition) Strengthening of Reinforced Concrete Structures: Using Externally-Bonded Frp Composites in Structural and Civil Engineering (Woodhead Publishing Series in Civil and Structural Engineering) Structural Dynamics of Earthquake Engineering: Theory and Application Using Mathematica and Matlab (Woodhead Publishing Series in Civil and Structural Engineering) The Techniques of Modern Structural Geology, Volume 3: Applications of Continuum Mechanics in Structural Geology Figure Drawing: The Structural Anatomy and Expressive Design of the Human Form (7th Edition) (Mysearchlab Series for Art) Structural Analysis (9th Edition) Structural Analysis (6th Edition) Structural Analysis Plus MasteringEngineering with Pearson eText -- Access Card Package (9th Edition) Introduction to Aircraft Structural Analysis, Second Edition The Nuclear Overhauser Effect in Structural and Conformational Analysis, 2nd Edition Analytics: Business Intelligence, Algorithms and Statistical Analysis (Predictive Analytics, Data Visualization, Data Analytics, Business Analytics, Decision Analysis, Big Data, Statistical Analysis) Analytics: Data Science, Data Analysis and Predictive Analytics for Business (Algorithms, Business Intelligence, Statistical Analysis, Decision Analysis, Business Analytics, Data Mining, Big Data) Structural Analysis in Si Units Fundamentals of Aircraft Structural Analysis Structural Analysis Using SAP2000: Includes a Real Life Example: Moment Envelope of an Indeterminate Beam Structural Analysis and Design of Tall Buildings: Steel and Composite Construction Fundamentals of Structural Analysis (Civil Engineering)