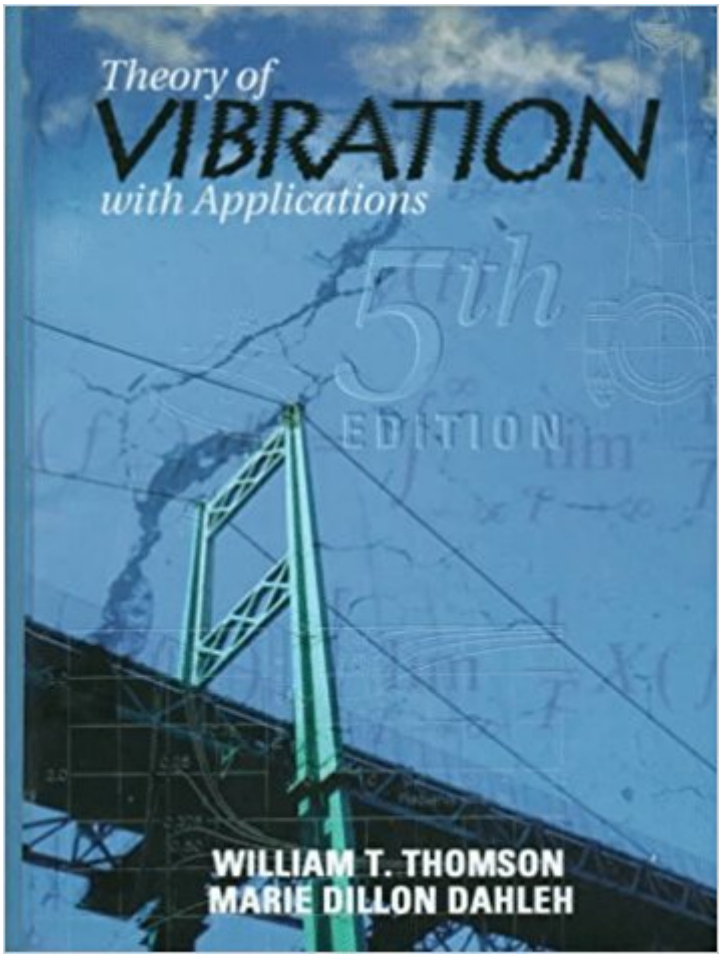
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Theory Of Vibration With Applications (5th Edition)



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Synopsis

A thorough treatment of vibration theory and its engineering applications, from simple degree to multi degree-of-freedom system. Focuses on the physical aspects of the mathematical concepts necessary to describe the vibration phenomena. Provides many example applications to typical problems faced by practicing engineers. Includes a chapter on computer methods, and an accompanying disk with four basic Fortran programs covering most of the calculations encountered in vibration problems.

Book Information

Hardcover: 534 pages

Publisher: Pearson; 5 edition (August 17, 1997)

Language: English

ISBN-10: 013651068X

ISBN-13: 978-0136510680

Product Dimensions: 6.9 x 1.3 x 9.3 inches

Shipping Weight: 2 pounds (View shipping rates and policies)

Average Customer Review: 2.8 out of 5 stars 29 customer reviews

Best Sellers Rank: #90,650 in Books (See Top 100 in Books) #172 inÃ Â Books > Textbooks > Engineering > Mechanical Engineering #388 inÃ Â Books > Engineering & Transportation > Engineering > Mechanical #424 inÃ Â Books > Engineering & Transportation > Engineering > Civil & Environmental

Customer Reviews

A thorough treatment of vibration theory and its engineering applications, from simple degree to multi degree-of-freedom system. Focuses on the physical aspects of the mathematical concepts necessary to describe the vibration phenomena. Provides many example applications to typical problems faced by practicing engineers. Includes a chapter on computer methods, and an accompanying disk with four basic Fortran programs covering most of the calculations encountered in vibration problems.

My professor liked this text book because it was concise, and I'll admit that it is indeed concise. I read through some of the chapters and it was pretty helpful when I did, but at times it skipped over too many details. Much of the time in a lecture, a professor will lose their students when they skip over details. In lecture, it's not a big deal because you can always ask a question or look at the book

later. You can’t really do that when a book skips the details. There were multiple times when the TA would feel the need to elaborate upon the details of specific types of problems because he felt that the book skipped some key details that although the students should know them, they might not have been especially obvious to those who had taken some of the prerequisite classes 6-12 months ago. Like I said, the book was helpful most of the time, but there were a couple times when it just felt useless. If you can get the solution manual for this book, then going through the problems in it should be quite useful because following the solutions can be quite helpful at times when you get a baffling question. Unfortunately, the questions are not perfect either. I remember one question in particular that was down right confusing. I read it and then asked myself, "what is this question asking for." Then I looked up the solution, and my response was, "How does that answer the question?" But, for the most part, the questions are pretty good. Overall, it’s not a bad book, but it could have been better if it would have explained more of the details. Fortunately, my professor and TA were very patient are were quite willing to explain the details that the book overlooked. I wouldn’t recommend this book to someone trying to teach themselves the principles of Vibration. It acts as a decent compliment to a full lecture, but has trouble standing on it’s own unless you have all the pre-knowledge required for this subject fresh in your mind (even then, you might have a little trouble without some kind of help from a knowledgeable and experienced instructor). It’s not a bad book, it is just not a great book either.

This text is a good introductory to vibrations with lots of topics covered. However as a text book for a class that functions primarily from material from the text it is hardly suitable. Though much is covered in a short space , and therefore the price is low, every section seems to lack cohesiveness. As far as theory goes steps in derivations are left out a lot of times and in a subject as math intensive as vibrations that can lead to a lot of confusion. The examples are few and far between and most of the examples that are presented are either rudimentary and therefore useless or so complicated they leave out tons of steps. If your class chooses this book as the required text i recommend you find another on the side with an all around more complete treatment of the subject.

Vibrations was one of the most poorly taught classes that I have had, this book is the only reason I got through it. Clear and concise.

Purchased from "Brents Books and More." The book delivered is exactly as shown (the English edition). It is as described. The tips on the corners are virtually square, what bends are there are

likely from shipping. The pages are untouched and show no folded corners, highlighting, tears, or bends. In addition. the cover is unblemished. Definitely a worthwhile investment.

I used a previous edition as a student, and I used this edition as an instructor. I also had a copy on my desk at the GM Noise and Vibration Lab when I worked there, as did many of my colleagues.The text is best used to accompany lecture notes in a senior or first year graduate engineering course.When I used the 5th edition 10 years ago, it had just come out, and the price at the college bookstore was $140, which was very high for the time. Students howled about the price, which is probably the real reason for the mixed reviews.

This is a required textbook for a Vibrations course and it is fairly useful. It’s as dry as the topic is with a dash more of vagueness. Thankfully I supplemented this with Den Hartog’s book and improved my understanding that way. This book just requires more parsing and re-reading than Hartog’s.

The chapters inside consist of most common topics a vibration class discussedbut all the examples they derived only have a FEW steps.You won’t have a good understanding without reviewing your dynamic textbook

I got this book because it was required for a class. If at all possible, stay away from this book.This book likes to explain the basic algebraic steps while completely bypassing the important steps required to actually solve the problem. The text is written very poorly, it reads like a foreign written instruction manual, and the examples leave much to the imagination.Avoid at all costs.

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