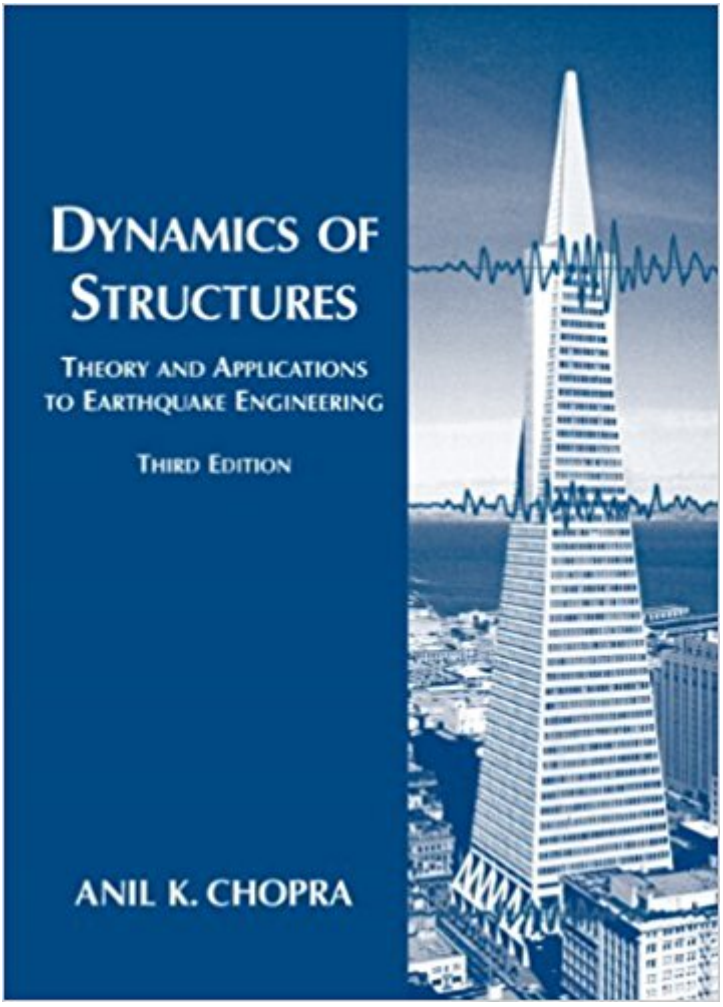
Dynamics Of Structures (3rd Edition)



Synopsis

Ã Â Designed for senior-level and graduate courses in Dynamics of Structures and Earthquake Engineering. The text includes many topics encompassing the theory of structural dynamics and the application of this theory regarding earthquake analysis, response, and design of structures. No prior knowledge of structural dynamics is assumed and the manner of presentation is sufficiently detailed and integrated, to make the book suitable for self-study by students and professional engineers.

Book Information

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Average Customer Review: 3.2 out of 5 stars 10 customer reviews

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Customer Reviews

Warning! This is the "INTERNATIONAL ECONOMY EDITION" which means it has a big warning on the front cover that says "Circulation of this edition outside the Indian subcontinent is UNAUTHORIZED". So, while cheap, I have no idea if it’s actually a complete edition and likely has zero resale value. I’m not sure how this is even legal to sell this in the U.S.As for the content, I’m still reviewing but I was disappointed when this arrived and realized I’d been duped and wanted to warn others...

If you want to learn the THEORY of structural dynamics, this is not the best book to get. This book does not cover many of the derivations and mathematics that are behind structural dynamics; rather, it gives a brief presentation of the theory and goes directly into earthquake engineering applications. If you want to learn the core fundamentals and theory of structural dynamics, I would

highly recommend J.L. Humar's textbook: "Dynamics of Structures." That being said, it IS an excellent textbook for earthquake engineering, and is probably most valuable for practicing structural engineers or for any earthquake engineering course.

Very good book for learning the theory of structural dynamics. You do need a background in differential equations and a little of matrix algebra to be able to derive some formulas but the book is very good in explaining the behavior of a system in question. However, I find the problems okay. I would recommend the structural dynamics book by Tedesco for extra problems to solve and some useful tables and graphs.

I had the great opportunity of taking my dynamics class with Dr. Chopra. His book is amazing, and you will not find a practicing structural engineer without one of the editions of Dynamics of Structures in their bookshelf!

NICE BOOK

The book was written, very damaged and it was supposed to be good.

This book should not be used as a textbook. Some of the notations are not clear, and this makes it very confusing if you are studying the subject for the first time. However, if you know the subject, then you can figure out what the author is trying to say. More important of all, a good textbook should use either Newton's second law or the conventional Lagrangian to derive the equations-of-motion (that is systematically straight forward and the students can easily see the best choice of generalized degrees of freedom). In short, I am very disappointed that UC-Berkeley has replaced the classical textbook of Raymond Clough (Dynamics of Structures) by this book of Anil Chopra.

Thanks item as described.

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