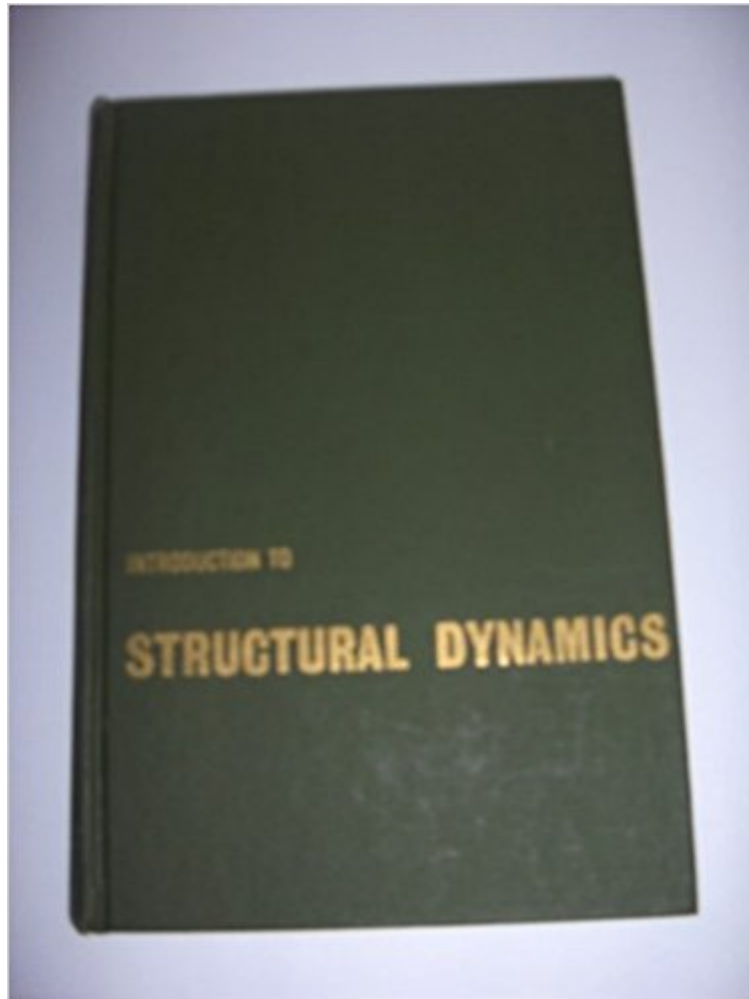




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Introduction To Structural Dynamics



Synopsis

Great vintage book!

Book Information

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Customer Reviews

Great vintage book!

I bought this book in a little bookstore in Monterrey Mexico Downtown for a ridiculous price (400 pesos= 40 dollars), the information in it is invaluable for the understanding of the structural behavior under dynamics loads (Equipment, wind, earthquake, impact etc.) and more important is that you can traduce this behavior to the physical world in a comprehensive and easy way, with the help of this book I was able to design from a panoramic advertising structures to steel and concrete Vessels in a high seismic area, from a bulk materials conveyors structures to equipments foundations. If you have the money to buy it, buy it, and the book pays for itself.

This book presents the practicing Engineer with a method to analyse a beam subjected to various point and uniformly distributed dynamic loads, by making an analogy to a spring mass system. Various applied load time histories and the structural response are explored for applications such as blast and earthquake loadings. This is a must for Structural Engineers who require to perform both hand and simple computational structural analysis. Elastic and Elasto plastic analysis is considered for simple beam elements as well as two dimensional frameworks.

Excellent book written before the days of computing power and all the better for it. It concentrates on fundamentals. The charts on dynamic load factors are unequalled and have helped me save time and money.

EXCELLENT!! Dynamic Load Factors are presented like no other book in print. Overall, a valuable tool for all design Engineers (Not only Structural)

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