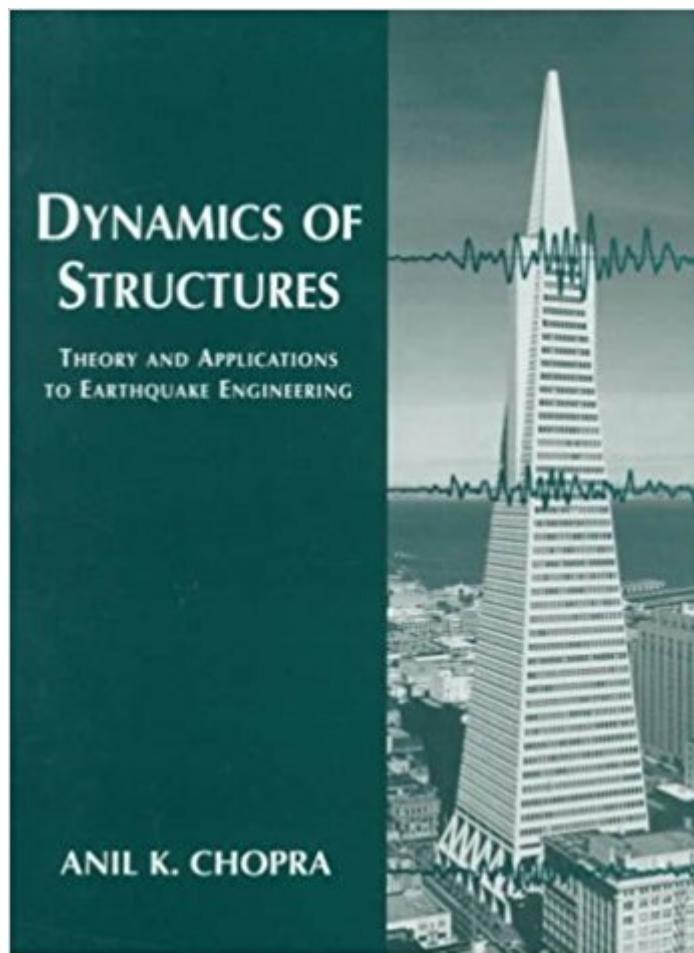


The book was found

# Dynamics Of Structures: Theory And Applications To Earthquake Engineering



## Synopsis

This book includes many topics in the theory of structural dynamics and applications of this theory to earthquake analysis, response, and design of structures. No prior knowledge of structural dynamics is assumed. The presentation is sufficiently detailed and integrated to make the book suitable for self-study by interested parties, as well as, professional engineers. FEATURES: \* Relates the structural idealizations studied to the properties of real structures. \* Presents the theory of dynamic response of structures in a manner that emphasizes physical insight into the analytical procedures. \* Illustrates applications of the theory to solutions of problems motivated by practical applications. \* Interprets the theoretical results to understand the response of structures to various dynamic excitations, with emphasis on earthquake excitation. \* Applies structural dynamics theory to conduct parametric studies that bring out several fundamental issues in the earthquake response and design of multistory buildings. \* Illustrates analytical procedures by over 100 worked out examples. \* Includes over 400 figures that have been carefully designed and executed to be pedagogically effective. \* Photographs of structures and their responses recorded during earthquakes are included to relate the presentation to the real world.

## Book Information

Series: Prentice-Hall International Series in Civil Engineering and Engineering M

Hardcover: 729 pages

Publisher: Prentice Hall College Div; 1st edition (February 13, 1995)

Language: English

ISBN-10: 0138552142

ISBN-13: 978-0138552145

Product Dimensions: 1.5 x 7.5 x 9.8 inches

Shipping Weight: 2.8 pounds

Average Customer Review: 4.8 out of 5 stars 5 customer reviews

Best Sellers Rank: #380,541 in Books (See Top 100 in Books) #16 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Structural Dynamics #18 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Seismic Design #21 in Books > Science & Math > Earth Sciences > Geology > Volcanology

## Customer Reviews

This structures text places emphasis on earthquake analysis and response and design of structures. It omits non- essential and advanced topics including variational formulation of the

equations of motion-Larange's equations, finite element method for continua, etc.

Excellent and comprehensible.

Excellent seller, I recommend it 100%. The book arrived very quickly (in 3 weeks to Mexico) in very good condition. thanks.

Book is well suited for individuals who want to gain some understanding of dynamics as applied to structural systems. However, needs more material on how structural dynamics can be applied to computer applications. Still one of the better books you can buy on this subject.

This book comprehensively covers structural dynamics and extends it to earthquake engineering applications (as claimed by the title). Very readable, easy to follow and has good example problems.

its a great text for an advanced -sr. year or above-class. as a geotechnical engineer, i found it very readable.

[Download to continue reading...](#)

Dynamics of Structures: Theory and Applications to Earthquake Engineering (2nd Edition)

Dynamics of Structures: Theory and Applications to Earthquake Engineering Structural Dynamics of Earthquake Engineering: Theory and Application Using Mathematica and Matlab (Woodhead Publishing Series in Civil and Structural Engineering) Perspectives on Earthquake Geotechnical

Engineering: In Honour of Prof. Kenji Ishihara (Geotechnical, Geological and Earthquake Engineering) Fire Following Earthquake (American Society of Civil Engineers: Technical Council on

Lifeline Earthquake Engineering Monograph, No. 26) Dynamics of Structures (5th Edition) (Prentice-Hall International Series I Civil Engineering and Engineering Mechanics) Dynamics of Structures (4th Edition) (Prentice-Hall International Series in Civil Engineering and Engineering Mechanics) Dynamics of Structures (Prentice-Hall International Series in Civil Engineering and Engineering Mechanics) Earthquake Engineering: From Engineering Seismology to

Performance-Based Engineering Fracture and Fatigue Control in Structures: Applications of Fracture Mechanics (Prentice-Hall International Series in Civil Engineering and Engineering Mechanics) Earthquake: Perspectives on Earthquake Disasters (Disaster Dossiers) Molecular Gas Dynamics: Theory, Techniques, and Applications (Modeling and Simulation in Science, Engineering and Technology) Modal Testing, Theory, Practice, and Application (Mechanical Engineering

Research Studies: Engineering Dynamics Series) Design and Analysis of Composite Structures: With Applications to Aerospace Structures Finite Models and Methods of Dynamics in Structures (Developments in Civil Engineering) Geotechnical Earthquake Engineering, Second Edition (Mechanical Engineering) Seismic Design of Building Structures: A Professional's Introduction to Earthquake Forces and Design Details, 8th ed. Seismic Design of Building Structures: A Professionals Introduction to Earthquake Forces and Design Details Innovative Earthquake Soil Dynamics Tissue Engineering II: Basics of Tissue Engineering and Tissue Applications (Advances in Biochemical Engineering/Biotechnology)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)