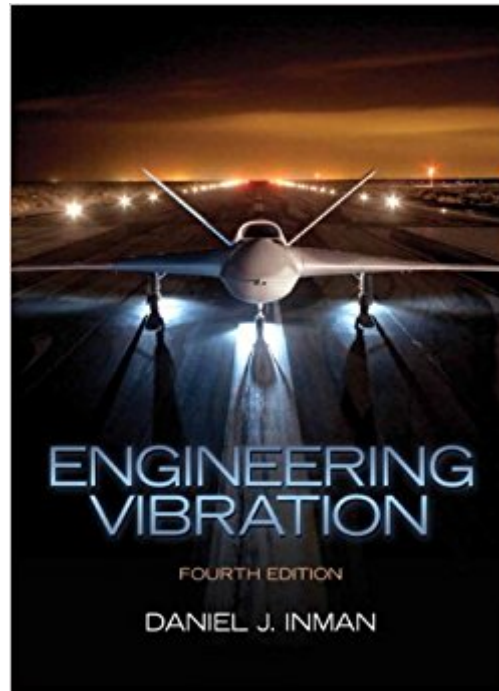


The book was found

Engineering Vibration (4th Edition)



Synopsis

Intended for use in one/two-semester introductory courses in vibration for undergraduates in Mechanical Engineering, Civil Engineering, Aerospace Engineering and Mechanics. This text is also suitable for readers with an interest in Mechanical Engineering, Civil Engineering, Aerospace Engineering and Mechanics. Serving as both a text and reference manual, Engineering Vibration, 4e, connects traditional design-oriented topics, the introduction of modal analysis, and the use of MATLAB, Mathcad, or Mathematica. The author provides an unequalled combination of the study of conventional vibration with the use of vibration design, computation, analysis and testing in various engineering applications.

Book Information

Hardcover: 720 pages

Publisher: Pearson; 4 edition (March 17, 2013)

Language: English

ISBN-10: 0132871696

ISBN-13: 978-0132871693

Product Dimensions: 7.2 x 1.2 x 9.2 inches

Shipping Weight: 2.2 pounds (View shipping rates and policies)

Average Customer Review: 4.3 out of 5 stars 41 customer reviews

Best Sellers Rank: #39,001 in Books (See Top 100 in Books) #73 in Books > Textbooks > Engineering > Mechanical Engineering #146 in Books > Engineering & Transportation > Engineering > Mechanical

Customer Reviews

Inman's book (4th Ed) presents the topics in a cogent manner. The use of software like Matlab, Mathcad, and Mathematica in the book is very good. The examples in the book are also very good. The only drawback to the book is the presence of a fair amount of typos. In a 4th edition one would have thought this would be under better control from a quality perspective. The book would have gotten 5 stars if this was not an issue.

Used this for a course in vibrations recently. I feel it is a great book for introducing vibrations. It obviously is not meant for graduate level and it does not get very theoretical with derivations and such. I will admit the course I took only covered the first 4 chapters, so I can't really comment on the rest of the book, but those chapters include everything from basic spring/mass systems to different

forcing functions applied to systems and finally to multiple degrees of freedom (all of these with and without damping). What I liked about the book is the orderly way it presented the material. Most of the sections started with derivations of the equations for different systems and the solutions for them depending on the type of forcing function. At the end of each section there is usually a nice summary of what was done with all the equations that were derived as well as a few worked out examples. I especially liked the summary at the end of the modal analysis section (I think chapter 4) that tells you step-by-step how to do it, since I was a bit confused trying to follow the pages of derivations beforehand and put it all together. Overall, it is a great book for an undergraduate course or anyone needing to learn vibrations with no previous knowledge on the subject. This isn't a graduate level text or meant for anyone with more than a course or two of vibrations under their belt.

Great book! Definitely worth keeping for future reference. Great examples, and more specifically great software examples! (Matlab, etc.) Easy to read for a student with no previous vibrations knowledge

A very good book and surprisingly low price. Go for it!

Classic book - Read several times.

Book was in advertised condition.

Good

Good well written book. Used for Vibrations ME class.

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

ISO 2631-2:2003, Mechanical vibration and shock - Evaluation of human exposure to whole-body vibration - Part 2: Vibration in buildings (1 Hz to 80 Hz) ISO 13753:1998, Mechanical vibration and shock - Hand-arm vibration - Method for measuring the vibration transmissibility of resilient materials when loaded by the hand-arm system Spatial Control of Vibration: Theory and Experiments (Stability, Vibration and Control of Systems, Series A) Engineering Vibration (4th Edition) G.Dieter's Li.Schmidt's Engineering 4th (Fourth) edition(Engineering Design (Engineering Series) [Hardcover])(2008) Structural Dynamics and Vibration in Practice: An Engineering Handbook Dynamics of Structures (4th Edition) (Prentice-Hall International Series in Civil Engineering and

Engineering Mechanics) Introduction to Engineering Design, Book 11, 4th Edition: Engineering Skills and Quadcopter Missions Reinforced Concrete: Mechanics and Design (4th Edition) (Civil Engineering and Engineering Mechanics) Sound and Structural Vibration, Second Edition: Radiation, Transmission and Response Theory of Vibration with Applications (5th Edition) Gravity Sanitary Sewer Design and Construction (ASCE Manuals and Reports on Engineering Practice No. 60) (Asce Manuals and Reports on Engineering ... Manual and Reports on Engineering Practice) Earthquake Engineering: From Engineering Seismology to Performance-Based Engineering Introduction to Coastal Engineering and Management (Advanced Series on Ocean Engineering) (Advanced Series on Ocean Engineering (Paperback)) Tissue Engineering II: Basics of Tissue Engineering and Tissue Applications (Advances in Biochemical Engineering/Biotechnology) Tissue Engineering I: Scaffold Systems for Tissue Engineering (Advances in Biochemical Engineering/Biotechnology) (v. 1) Engineering Fundamentals: An Introduction to Engineering (Activate Learning with these NEW titles from Engineering!) Biomedical Engineering Principles Of The Bionic Man (Series on Bioengineering & Biomedical Engineering) (Bioengineering & Biomedical Engineering (Paperback)) Homeopathy Plus Whole Body Vibration: Combining Two Energy Medicines Ignites Healing Whole Body Vibration

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)