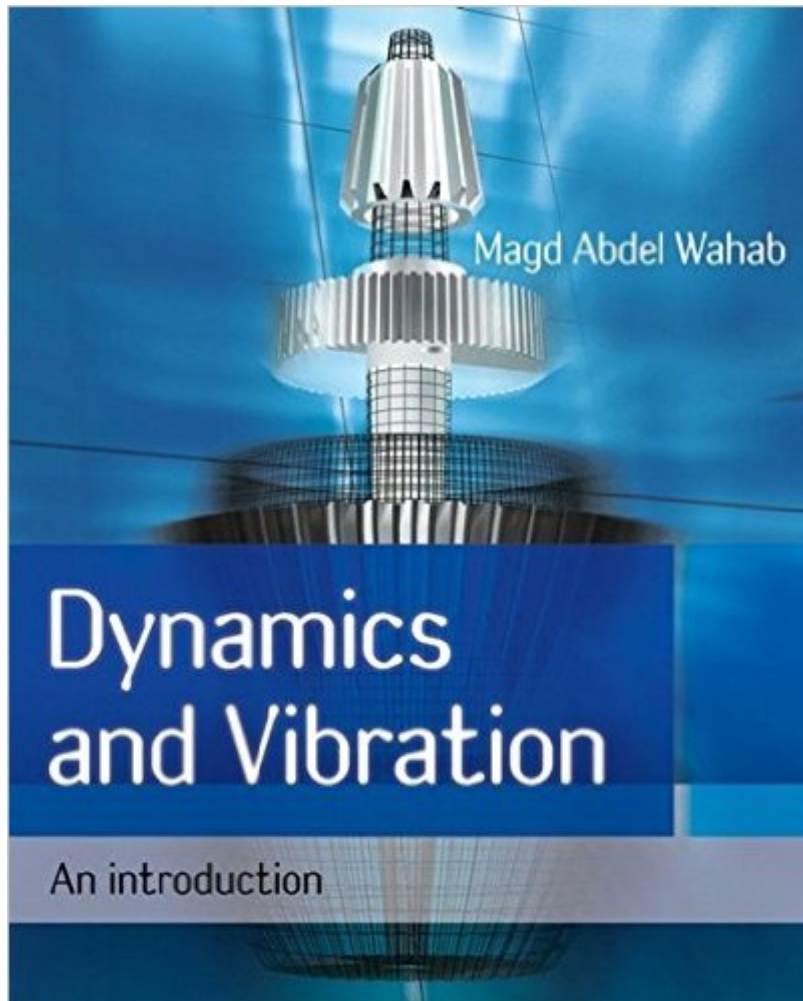


The book was found

# Dynamics And Vibration: An Introduction



## Synopsis

This book presents a new teaching methodology in Dynamics using E-learning, simulations and animation of mechanisms and mechanical vibrating systems. It covers Dynamics and Vibration modules that are taught at different undergraduate levels to the engineering students at Universities in the UK and worldwide. The content of the book is suitable for Level 1 Dynamics modules for Engineering students (Civil, Mechanical, Aerospace & Medical), as well as Level 2/3 Dynamics and Vibration Modules being taught to Mechanical, Aerospace & Medical Engineering students. In addition to the theory sections and the tutorial sheets provided after each chapter, software called DAMA, <sup>^</sup>Dynamic Analysis for Mechanical Application<sup>^</sup>™, in which simulations of mechanisms and vibrating systems are implemented, is provided via a website. The DAMA software is packaged with everything it needs to work immediately. The simulations it contains are used to enhance students understanding of the motion and vibration of mechanical systems. The simulations include motion of a single cylinder engine, four-bar linkage mechanisms, gears and sliding/rotating rigid bars along with many others. The simulations are fully interactive so that any change in the input parameters is immediately reflected in the animation, output plots and output parameters.

## Book Information

Paperback: 596 pages

Publisher: Wiley; 1 edition (June 9, 2008)

Language: English

ISBN-10: 0470723009

ISBN-13: 978-0470723005

Product Dimensions: 7.5 x 1.3 x 9.4 inches

Shipping Weight: 2.4 pounds (View shipping rates and policies)

Average Customer Review: 3.3 out of 5 stars <sup>^</sup> <sup>^</sup> See all reviews <sup>^</sup> (3 customer reviews)

Best Sellers Rank: #524,320 in Books (See Top 100 in Books) #19 in <sup>^</sup> Books > Engineering & Transportation > Engineering > Civil & Environmental > Structural Dynamics #335 in <sup>^</sup> Books > Science & Math > Physics > Mechanics #464 in <sup>^</sup> Books > Textbooks > Science & Mathematics > Mechanics

## Customer Reviews

So far as substance, it's a good book. It's mostly succinct and well written, but seems lacking compared to other books out there. The examples are good enough, but not top-notch, in my opinion. It wasn't outrageously expensive, which is always nice, but I wouldn't expect anything

outstanding out of this book. In a nutshell, it gets the job done.

Honestly, I don't like to review any book at their first edition because there are so many things they missed and/or need to improve. The book covers most of the topics in both dynamics and vibration, you might find that they are well-divided within the book itself. The theoretical content was great; however, the sample and problem content were poor. If you didn't do well in the first course of dynamics, you might find yourself struggling with this book. I'd recommend you learn the dynamics part from Hibbeler's Mechanics of Materials, and then learn the vibration part from this book. This book was used as 3000 level class for my undergraduate program. The fact that it is a soft-cover book makes it cheaper than any other engineering books with hard-cover. If you have to buy it for your class, then goodluck!; but, I'd not recommend this book if you are buying it for self-studying.

Great book it made my dynamics class more easier to learn

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

Dynamics and Vibration: An Introduction Dynamics AX Performance Optimization Guide: Fixing Troubles with Microsoft Dynamics AX and SQL Server Sound and Vibration (Making sense of science) Vibration Cooking: or, The Travel Notes of a Geechee Girl Vibration Analysis with SOLIDWORKS Simulation 2015 Vibration Analysis with SolidWorks Simulation 2014 Vibration Cooking An Introduction to Fluid Dynamics: Principles of Analysis and Design High Temperature Gas Dynamics: An Introduction for Physicists and Engineers Introduction to Physical Gas Dynamics Atmospheric and Space Flight Dynamics: Modeling and Simulation with MATLAB® and Simulink® (Modeling and Simulation in Science, Engineering and Technology) Coral Reef Fishes: Dynamics and Diversity in a Complex Ecosystem (Interface Science and Technology) Population Dynamics of *Crocodylus Porosus* and Status, Management and Recovery, Update 1979-1983 (Surveys of Tidal River Systems in the Northern Terri) (No. 18) Ecological Sustainability for Non-timber Forest Products: Dynamics and Case Studies of Harvesting (People and Plants International Conservation) Aircraft Control and Simulation: Dynamics, Controls Design, and Autonomous Systems Exchange-Traded Funds and the New Dynamics of Investing (Financial Management Association Survey and Synthesis Series) Effective Board Dynamics Guide for CEOs and Directors: Improve Decisions and Performance of Your Board The Level System: A Natural Method for Developing Control of Accents and Dynamics Dynamics of International Advertising: Theoretical and Practical Perspectives The Dynamics of Sunni-Shia Relationships: Doctrine, Transnationalism, Intellectuals and the Media

