

# Selected topics in vibrational mechanics

## World Scientific - Selected Topics in Contact Mechanics and Nanotribology

Description: -

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Presidents -- United States -- Biography

Roosevelt, Theodore, -- 1858-1919

Agriculture and state -- Soviet Union.

Japan -- Description and travel.

Japan -- In literature.

Japanese poetry -- To 794 -- History and criticism.

Man'yōshū.

Inukai, Takashi, -- 1907-1998 -- Travel -- Japan.

Rearrangements (Chemistry)

Pali language -- Dictionaries -- Burmese.

Tripitaka -- Terminology.

Local transit -- Bibliography.

Supply-side economics -- United States.

Taxation -- United States.

Mechanics, Analytic.

Vibration. Selected topics in vibrational mechanics

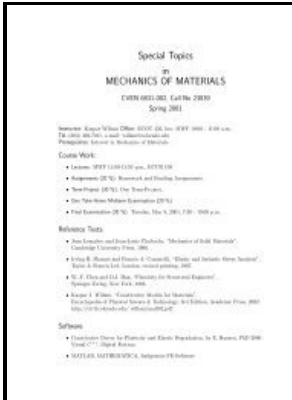
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v. 11

Series on stability, vibration, and control of systems. Selected topics in vibrational mechanics

Notes: Includes bibliographical references and index.

This edition was published in 2004



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**Slow motions in systems with fast modulated excitation**

Petersburg: Ruda i Metally, 2013.

### Selected Topics in Vibrational Mechanics (Series on Stability, Vibration and Control of Systems: Series A, Vol. 11)

It eases students' difficult transition between lower-division courses that mostly encompass algebraic equations and upper-division courses that rely on differential equations. Development of the asymptotic theory of the Orr-Sommerfeld equation.

### Vibration of Mechanical Systems

Mechanical Vibration Book Review: Building on the success of 'Modelling, Analysis, and Control of Dynamic Systems', 2nd edition, William Palm's new book offers a concise introduction to vibrations theory and applications.

### Selected Topics in Vibrational Mechanics (Series on Stability, Vibration and Control of Systems: Series A, Vol. 11)

Cutting forces and mechanics of machining. Integration of economic indicators with life cycle environmental and social metrics for evaluating technology systems. Vibration concepts include a review of selected topics in mechanics; a description of single-degree-of-freedom SDOF systems in terms of equivalent mass, equivalent stiffness, and equivalent damping; a unified treatment of various forced response problems base excitation and rotating balance ; an introduction to systems thinking, highlighting the fact that SDOF analysis is a building block for multi-degree-of-freedom MDOF and continuous system analyses via modal analysis; and a simple introduction to finite element analysis to connect continuous system and MDOF analyses.

### Vibration of Mechanical Systems

This book reflects those results through the ingenious presentation of the authors - well-k.

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