

Dynamics of Coupled Structures Volume: A Comprehensive Guide to Structural Analysis and Design



Dynamics of Coupled Structures, Volume 4: Proceedings of the 34th IMAC, A Conference and Exposition on Structural Dynamics 2024 (Conference Proceedings ... Society for Experimental Mechanics Series)

★★★★★ 5 out of 5

Language : English
File size : 47090 KB
Text-to-Speech : Enabled
Enhanced typesetting : Enabled
Word Wise : Enabled
Print length : 1052 pages



This book provides a detailed and comprehensive examination of the dynamics of coupled structures, which are structures that are connected to each other and interact dynamically. The book covers a wide range of topics, including the basics of structural dynamics, the analysis of coupled structures, and the design of coupled structures.

The book is divided into three parts. The first part introduces the basics of structural dynamics, including the concepts of mass, stiffness, and damping. The second part covers the analysis of coupled structures, including the methods of modal analysis, response spectrum analysis, and

time history analysis. The third part covers the design of coupled structures, including the topics of seismic design, wind design, and vibration control.

The book is written by a team of experts in the field of structural dynamics, and it is intended for use by engineers, architects, and students who are interested in the design and analysis of coupled structures.

Table of Contents

- 1.
2. Basics of Structural Dynamics
3. Analysis of Coupled Structures
4. Design of Coupled Structures

Reviews

This book is a valuable resource for engineers, architects, and students who are interested in the design and analysis of coupled structures.

The book is well-written and easy to follow, and it provides a comprehensive overview of the field of structural dynamics.

The book is also up-to-date with the latest research in the field, and it includes numerous examples and exercises to help the reader understand the concepts presented.

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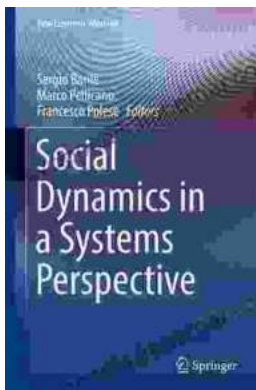
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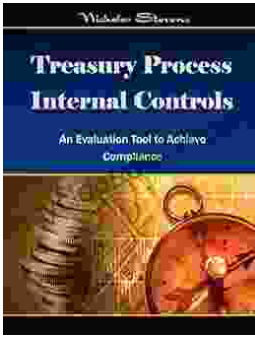
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