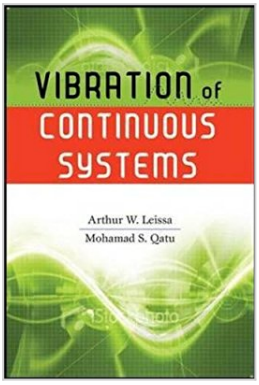

Vibration of Continuous Systems (Mechanical Engineering)

By Arthur W. Leissa, Mohamad S. Qatu

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IN-DEPTH INFORMATION ON THE VIBRATIONS OF CONTINUOUS SYSTEMS

Written by experts in the field, *Vibrations of Continuous Systems* expalins the vibrational behavior of basic structural components and elements. Several real-world applications in various fields, including acoustics and aerospace, mechanical, civil, and biomedical engineering, are highlighted. The book includes the derivation of the governing equations of motion and emphasizes the interplay between mathematics and physical understanding. Challenging end-of-chapter problems reinforce the concepts presented in this detailed guide.

COVERAGE INCLUDES:

- Transverse vibrations of strings
- Longitudinal and torsional vibrations of bars
- Beam vibrations
- Membrane vibrations
- Plate vibrations
- Shell vibrations
- Vibrations of three-dimensional bodies
- Vibrations of composite continuous systems

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Editorial Review

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