

# VIBRATIONS - GATE

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# Chapter 1

## Vibrations

### 1.1 Introduction

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### 1.2 Steps involved in Vibration Problems

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### 1.8 Solution methods of Longitudinal Vibrations and Transverse Vibrations

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## 1.9 Springs in Combination

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## 1.10 Damped Free Vibration

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## 1.11 Logarithmic Decrement

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## 1.12 Harmonically Excited Vibration

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## 1.13 Equation of Motion for Forced Damped vibration

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## 1.19 Torsional vibration

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## 1.20 Torsionally equivalent shafts

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