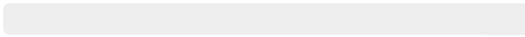
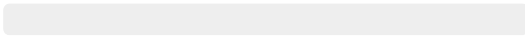
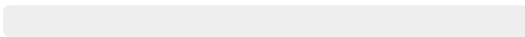


DOS2019-Introduction

Number of participants: 0

1

The mechanism of vibrations results from

- ✓ A transfer between kinetic and potential energy  0% 0 votes
- A transfer between kinetic and dissipated energy  0% 0 votes
- A transfer between potential and dissipate energy  0% 0 votes

2

The vibrations of a working washing machine can be classified as

free periodic vibrations



0%

0 votes

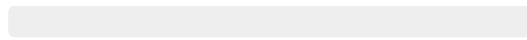
✓ forced harmonic vibrations



0%

0 votes

forced random vibrations

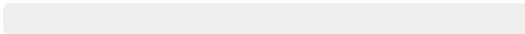
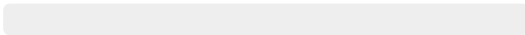
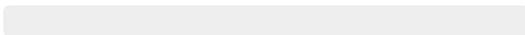


0%

0 votes

3

Which of these vibrations is a forced random vibration ?

- ✓ The vibration of a building due to wind excitation  0% 0 votes
- The vibration of a car due to the engine vibrations  0% 0 votes
- ✓ The vibrations of a bridge due to an earthquake  0% 0 votes

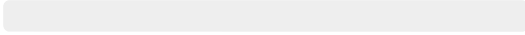

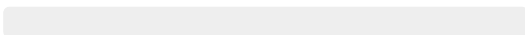
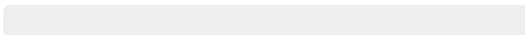
4

Vibrations in civil engineering are becoming more and more important because:

- ✓ the sources of vibrations are increasing  0% 0 votes
- ✓ the structures are becoming more and more prone to vibrations  0% 0 votes
- ✓ comfort demands are increasing  0% 0 votes
- the engineers tend to design the structures to be sensitive to vibrations  0% 0 votes

5

Which of these structures can be very susceptible to wind induced vibrations ?

apartment buildings		0%	0 votes
✓ high-rise towers		0%	0 votes
towers in cable-stayed bridges		0%	0 votes
✓ pedestrian bridges (footbridges)		0%	0 votes