

Auskunft:

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Engineering Mechanics

Abstract:

Through the lecture, the students acquire basic knowledge in the field of engineering mechanics, especially for simple models of elasticity theory.

Content:

- Statics, free-body principle, bearing reactions
- Stresses, strains, Hooke's law
- Beam bending, torsion
- Moments, center of gravity, momentum theorem, conservation of energy
- Oscillations of 1-DOF-Systems