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Generalized Continuum Mechanics and Engineering Applications

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study fluid motion and the mechanics (dynamics and kinematics) of deforming materials. Considering the object of study as a closed system, the application of continuum mechanics requires respecting three fundamental physical principles: - Conservation of mass, - Conservation of momentum, both linear and angular, - Conservation of energy.

## BASICS OF CONTINUUM MECHANICS

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Continuum mechanics - Wikipedia

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Continuum Mechanics. with emphasis on metals & viscoelastic materials. Description. This website presents the principles of finite deformation continuum mechanics with many

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example applications to metals and incompressible viscoelastic materials (rubber).

## Continuum Mechanics

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