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~~Deformation and Motion~~ *Continuum*

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*2 - Indicical or (Index) notation*

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masters, who are able to formulate  
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arising in various fields of continuum mechanics – both of mechanics of solids and fluids, with focus on interdisciplinarity, in strong connection with engineering applications in hi-tech and advanced manufacturing technologies – in the spirit of the STEM Education concept aimed at

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study fluid motion and the mechanics  
(dynamics and kinematics) of  
deforming materials. Considering the

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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.

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*Continuum mechanics - Wikipedia*

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continuum mechanics with many  
example applications to metals and

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incompressible viscoelastic materials  
(rubber).

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*Fundamentals of Continuum*

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