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the basics of

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theories of elasticity,
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viscoelasticity, with
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finite elasticity.

Continuum

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review of vectors,

tensors, basic integral
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the subjects of

nonlinear continuum

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plasticity, and

biomechanics.

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and Materials:**

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**Asaro, Robert,
Lubarda ...**

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objects will deform when adequate loads are applied to them; if the material is elastic, the object will return to its initial shape and size after removal. This is in contrast to plasticity, in which ...

Elasticity (physics) - Wikipedia

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behavior of solid
materials, especially
their motion and
deformation under the
action of forces,
temperature changes,
phase changes, and
other external or
internal agents.. Solid
mechanics is
fundamental for civil,
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