

Report Title:

Elasticity

Subtitles:

1. What does an elasticity of mean?
2. What are the different types of deformations?
3. What is meant by elastic deformation of a material?
4. For tension and compression, apply the equation that relates stress to strain and Young's modulus. (give some examples)
5. Distinguish between yield strength and ultimate strength.
6. For shearing, apply the equation that relates stress to strain and the shear modulus. (give some examples)
7. For hydraulic stress, apply the equation that relates fluid pressure to strain and the bulk modulus. (give some examples)