

## Mechanics of materials

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Abstrak

Contents:

1. Tension, compression and shear
2. Axially loaded members
3. torsion
4. Shear Forces and bending moments
5. stresses in beams
6. analysis of stress and strain
7. applications of plane stress (pressure vessels and combined loadings)
8. deflections of beams
9. columns
10. review of centroids and moments of inertia