

Statically Indeterminate Axially-Loaded Members

* Statically determinate vs. indeterminate

* 3 basic ingredients in solid (structural) mechanics:

⊗ ⇒ ① Equilibrium: forces and/or stresses

⊗ ⇒ ② Geometric Compatibility (kinematic): displacement and/or strains

⊗ ⇒ ③ Material Behavior (Constitutive Equations):

connects ① and ② \Leftrightarrow σ - ϵ relations

