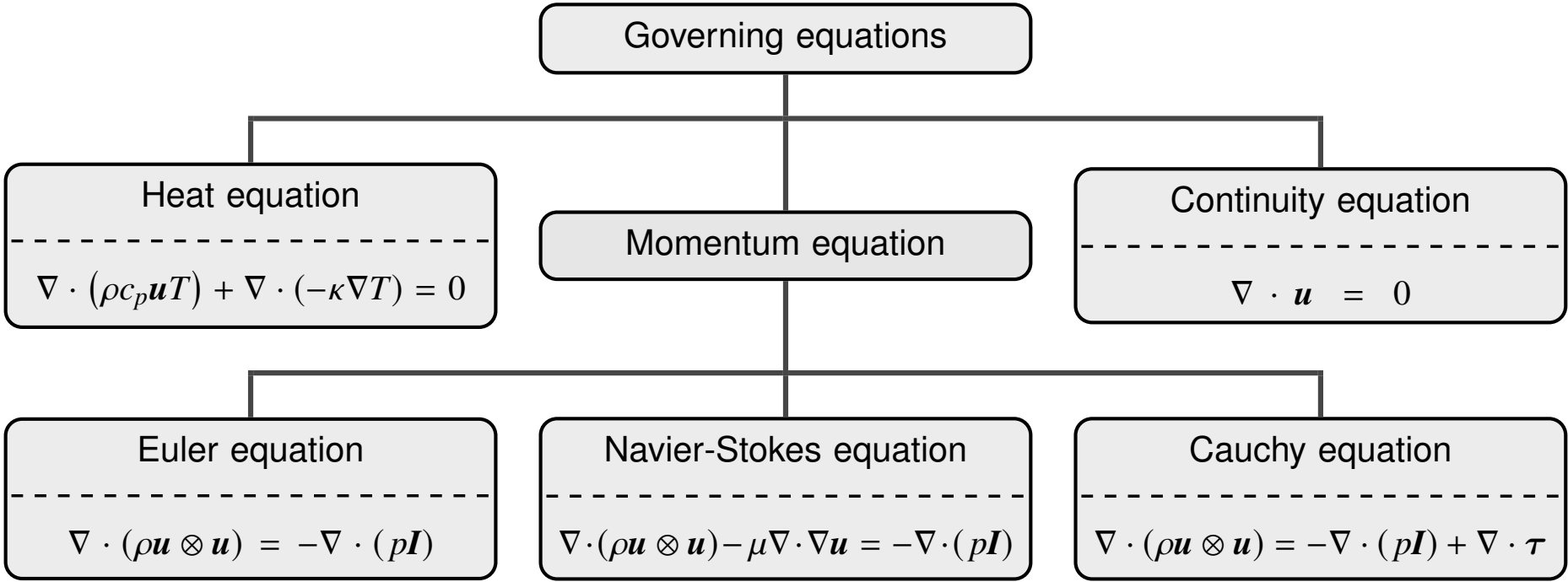
Governing equations
Heat equation
$\nabla \cdot \left(\rho c_p \boldsymbol{u} T\right) + \nabla \cdot (-\kappa \nabla T) = 0$
Momentum equation
Continuity equation
$\nabla \cdot \boldsymbol{u} = 0$
Euler equation
$\nabla \cdot (\rho \boldsymbol{u} \otimes \boldsymbol{u}) = -\nabla \cdot (p\boldsymbol{I})$
Navier-Stokes equation
$\nabla \cdot (\rho \boldsymbol{u} \otimes \boldsymbol{u}) - \mu \nabla \cdot \nabla \boldsymbol{u} = -\nabla \cdot (p\boldsymbol{I})$
Cauchy equation
$\nabla \cdot (\rho \boldsymbol{u} \otimes \boldsymbol{u}) = -\nabla \cdot (p\boldsymbol{I}) + \nabla \cdot \boldsymbol{\tau}$