

Using Castigliano's 2nd Theorem

Notation for generalized displacements and generalized loads

- Displacements and forces: Δ and P
- Shaft rotations and torques: ϕ and T
- Beam rotations and bending moments: θ and M
- Redundant loads: R (forces, torques, and/or bending moments)
- Dummy loads: F_d (forces, torques, and/or bending moments)

