



The diagram illustrates a beam fixed to a vertical wall on the left. A solid black line represents the beam's original, undeformed shape. A dashed blue line shows the beam's deflected shape under a load, which is represented by a gray shaded area above the beam. A green arrow indicates the angle between the undeformed beam and the vertical wall. A red double-headed arrow indicates the vertical displacement of the free end of the beam.

Undeformed Beam  
Geometry

Measured  
Displacement

Beam Angle