Cantilever Beam - Numerical Results

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Plot Deformed Shape of Midline

Plot Bending Stress

Plot Bending Moment

Probe Displacement

Check Your Understanding

Select the correct option below.

Consider the case where we replace our square cross-section in ANSYS with an I-shaped cross-section that is taller, has a lower cross-sectional area and the same moment of inertia. If we then re-solve the problem in ANSYS, which of the following results would be affected? Select all options that apply.

- 1. Deformed shape of the midline, $u_y(x)$
- 2. Max. bending stress at root

Go to Step 7: Verification & Validation

Go to all ANSYS Learning Modules