

ANSYS - Vibration Analysis of a Frame - Problem Specification

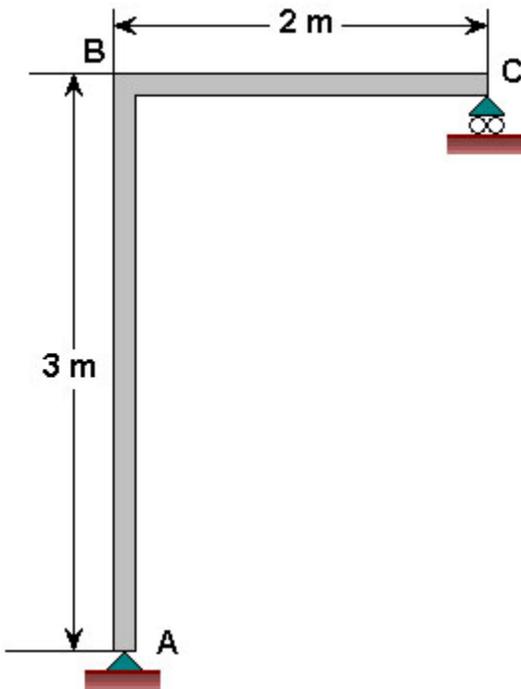
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Problem Specification

1. Start-up and preliminary set-up
2. Specify element type and constants
3. Specify material properties
4. Specify geometry
5. Mesh geometry
6. Specify boundary conditions
7. Solve!
8. Postprocess the results
9. Validate the results

Problem Specification

The problem considered here is the vibration analysis of the right-angle frame in example 11.17 on page 436 of [Cook et al.](#)



$$E = 200 \times 10^9 \text{ Pa}$$

$$\nu = 0.29$$

$$\rho = 7860 \text{ kg/m}^3$$

$$I = \frac{1 \times 10^{-4}}{12}$$

Go to [Step 1: Start-up and preliminary set-up](#)

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