

# ANSYS - Vibration Analysis of a Frame - Problem Specification

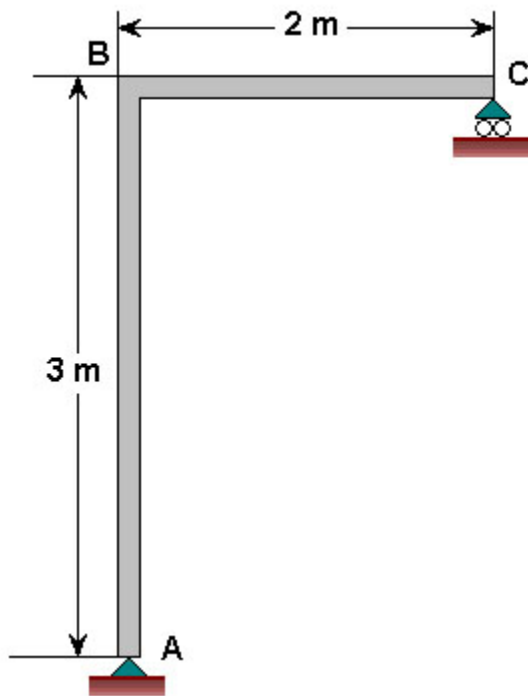
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## Problem Specification

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](#)

[Go to all ANSYS Learning Modules](#)