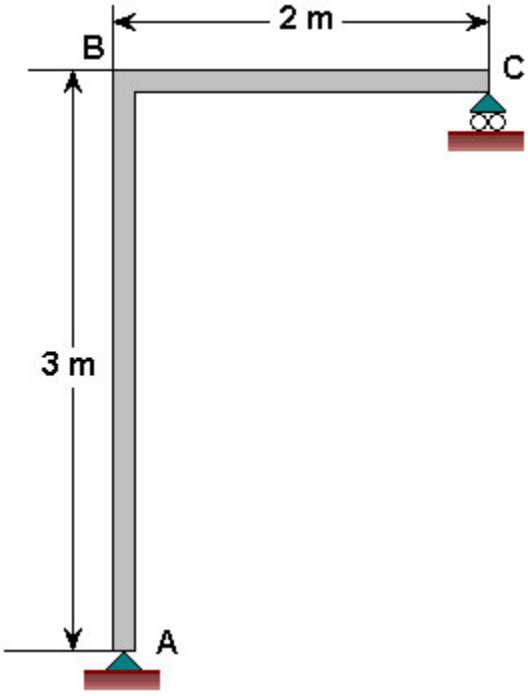
ANSYS - Vibration Analysis of a Frame - Problem Specification

Author: Rajesh Bhaskaran, Cornell University

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.



$E = 200x10^9\ Pa$

$\nu = 0.29$

$\rho = 7860 kg/m^3$

$I = \frac{1x10^{-4}}{12}$

Go to Step 1: Start-up and preliminary set-up

Go to all ANSYS Learning Modules