

ANSYS - Linear Column Buckling

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Problem Specification

1. Pre-Analysis & Start-Up
 2. Geometry
 3. Mesh
 4. Physics Setup
 5. Numerical Solution
 6. Numerical Results
 7. Verification & Validation
- Exercises
Comments

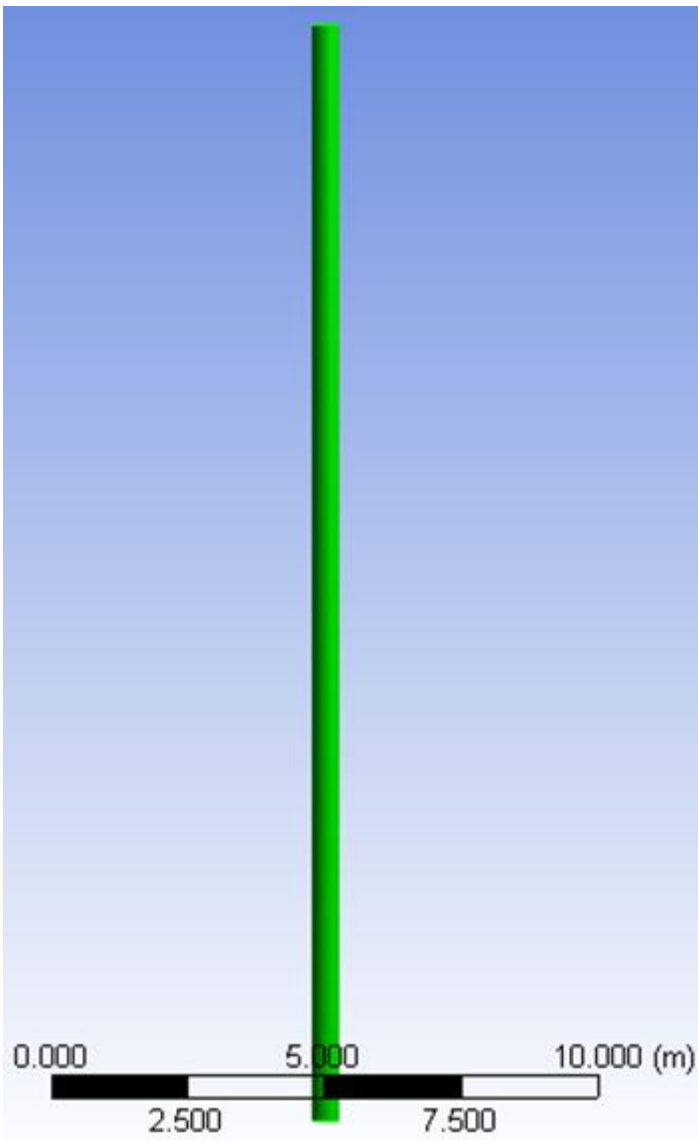
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Linear Column Buckling

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Problem Specification

Consider the column in the figure below. It is pinned on both ends and supports an axial load. The column has a circular cross section with a diameter of .5m and is 20m long. It is constructed of structural steel with a Young's modulus of $2E+11$ Pa and a poisson's ratio of .3. Calculate the critical buckling load of the column.



[Go to Step 1: Pre-analysis & Start-Up](#)

[Go to all ANSYS Learning Modules](#)