ANSYS - Linear Column Buckling

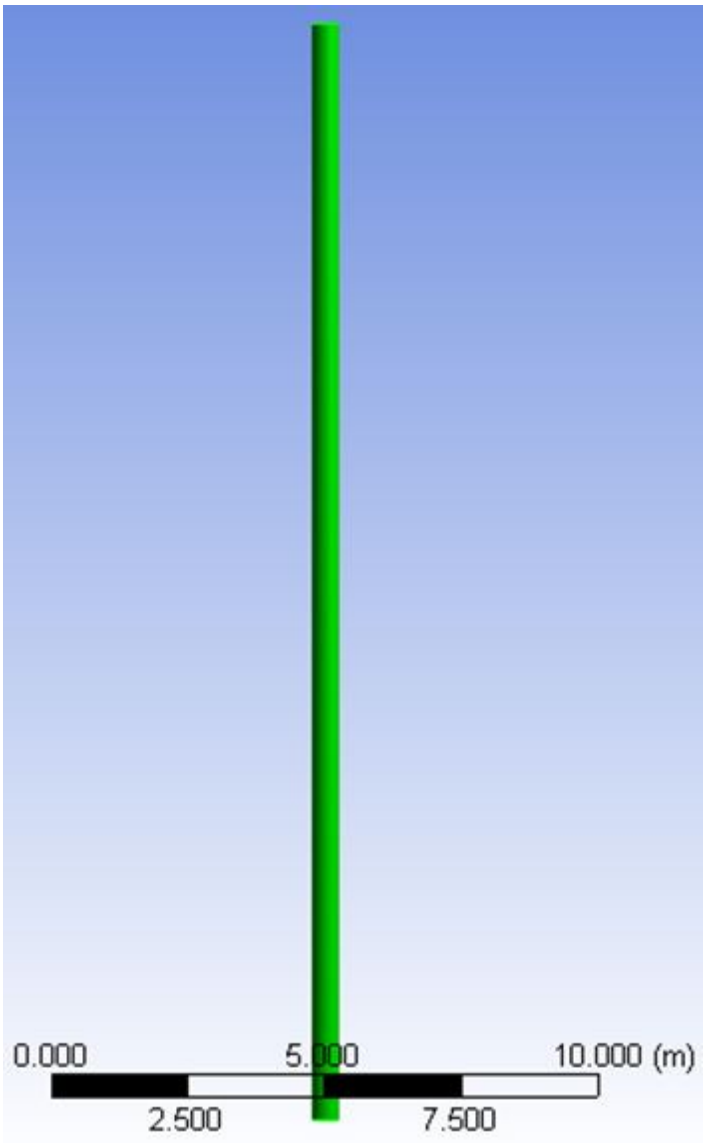
Author: Matt Scott, Cornell University

Linear Column Buckling

Created using ANSYS 13.0

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 modulous of 2E+11 Pa and a poisson's ratio of .3. Calculate the critical buckling load of the column.



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