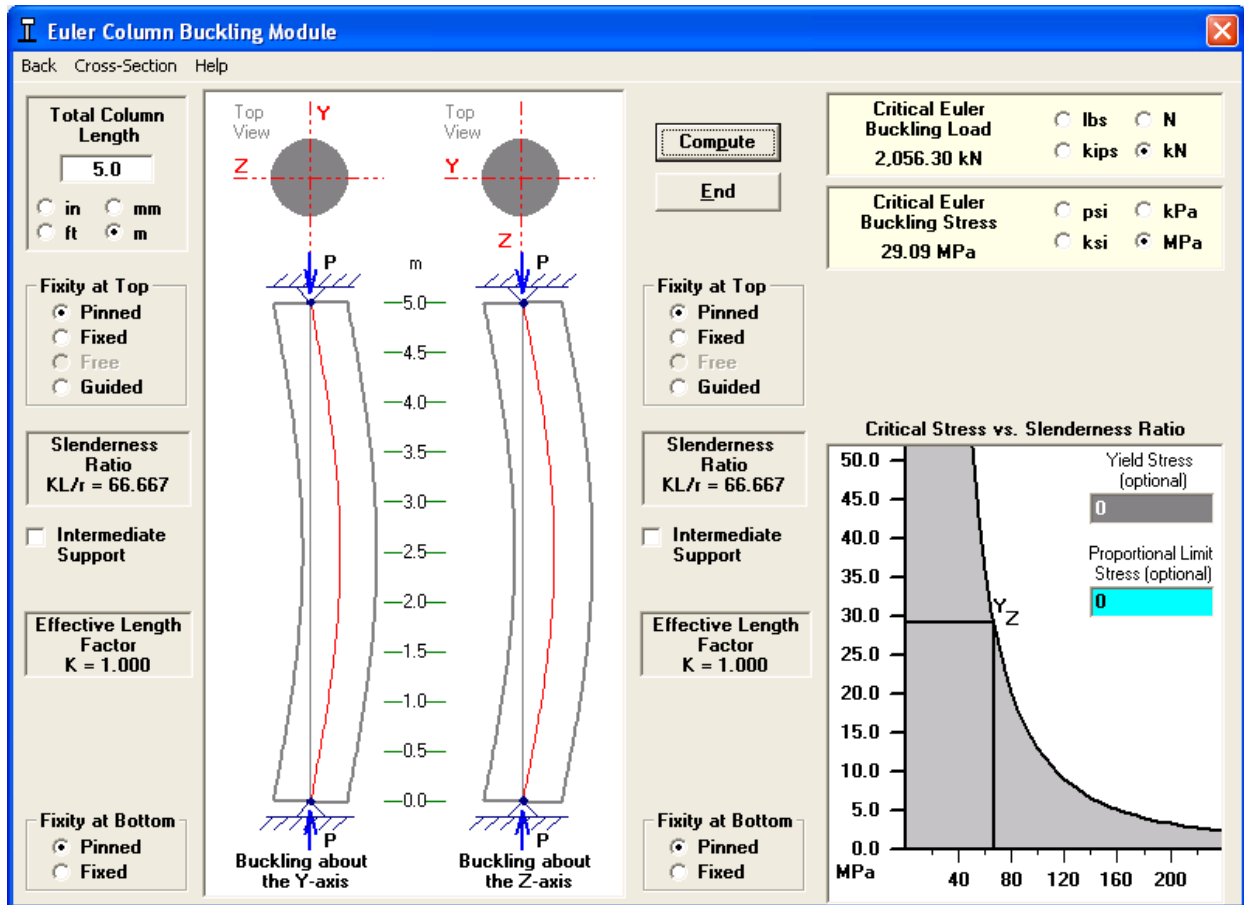


CONTINUING STUDIES BUILDING, 2121 WEST MALL



This column is axially loaded with pin supports on its top and bottom. The supports do not allow free rotation, but are small enough compared to the cross-section of the beam that they can be considered pin supports. Also note that the column's cross-sectional area increases towards its middle, where the bending stresses are highest. This increases the moment of inertia, decreasing the tendency to buckle.



Diameter: 300mm

Modulus of Elasticity: Wood (Douglas Fir) 13,100 MPa

Height: 5m