

A 2 meters cantilever is subjected to a force at its tip applied to its top flange. The profile of IPE240 is assumed to be the designed beam made of steel grade S235JR.

- With RFEM software, determine the lateral torsional buckling load.
- Assume the applied load is 75kN. Sketch the lateral deformation of the node to which the load is applied for post-buckling of the beam.

