

TP1 BEAM & TRUSS

EX01: ANALYSIS OF SIMPLE BEAM

In this tutorial we will analyze the continuous beam shown in Figure 1 with the ABAQUS. The cross section of the beam is shown in Figure 2. The material is steel with elastic modulus of 200GPa and Poisson ratio 0.3.

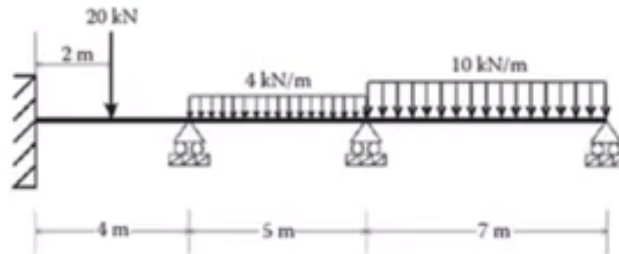


Figure.1. Continuous beam.

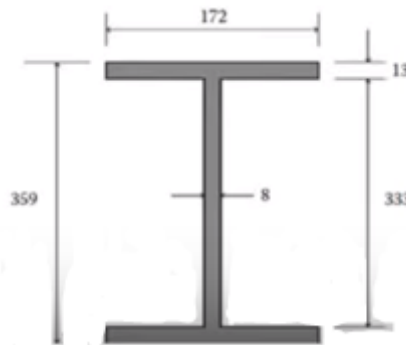


Figure.2. Beam cross section, dimensions are in mm.

EX02: ANALYSIS OF TRUSS

In this tutorial we will analyze Truss shown in Figure 3 with the ABAQUS. The material is steel truss with elastic modulus of 210GPa and Poisson ratio 0.3.

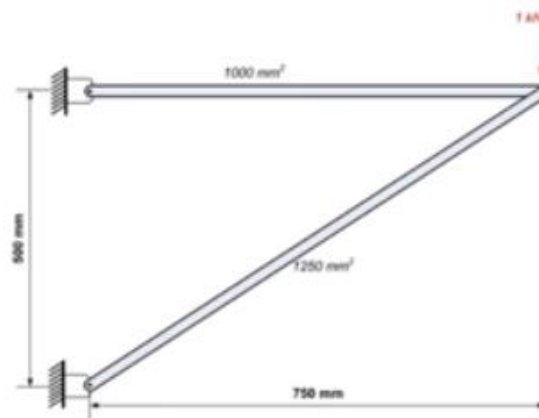


Figure.3. Truss, dimensions are in mm.