

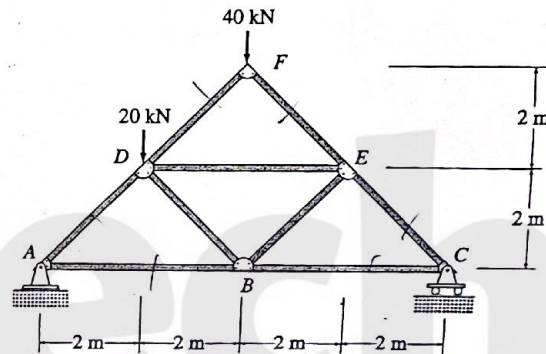


Statics

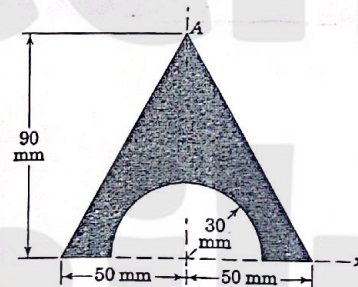
Prof. Dr. Yasser Hunaiti

Final Exam
يُزَن زِيَاد صَمُود عَوَّة اله
July 2013

- 1 Determine the force in each member of the loaded truss.



- 2 Determine the y -coordinate of the centroid of the shaded area. Calculate the moment of inertia of the shaded area about the x -axis.



- 3 Draw the shear and moment diagrams for the loaded beam and determine the maximum value M_{max} of the moment.

