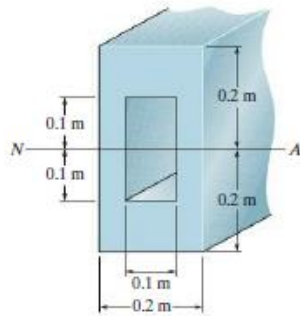


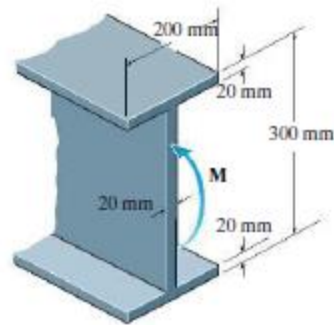
MAK 206 HW #5

P6-2. Determine the moment of inertia of the cross section about the neutral axis.



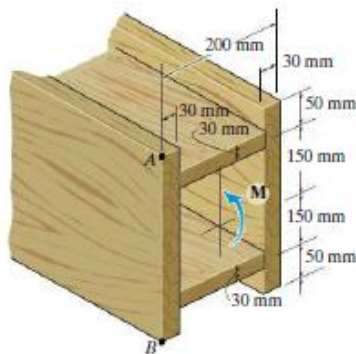
P6-2

F6-11. If the beam is subjected to a bending moment of $M = 50 \text{ kN} \cdot \text{m}$, determine the maximum bending stress in the beam.



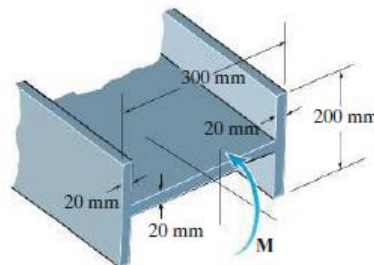
F6-11

F6-12. If the beam is subjected to a bending moment of $M = 10 \text{ kN} \cdot \text{m}$, determine the bending stress in the beam at points A and B, and sketch the results on a differential element at each of these points.



F6-12

F6-9. If the beam is subjected to a bending moment of $M = 20 \text{ kN} \cdot \text{m}$, determine the maximum bending stress in the beam.



F6-9