

M6 Concept Question 1

We have just shown that the stresses vary linearly through the thickness of a rectangular section beam subjected to an applied moment. This would no longer be true if:

A: The cross-section was no longer rectangular (but remained symmetric about the x-z plane).

B: The beam was made up of layers of elastic dissimilar materials distributed through its thickness.

C: The beam cross-sectional dimensions of the beam varied with x position.

1. A only
2. B only
3. C only
4. A and B
5. A and C
6. B and C
7. A, B and C
8. None of the above
9. Do not know/Do not understand