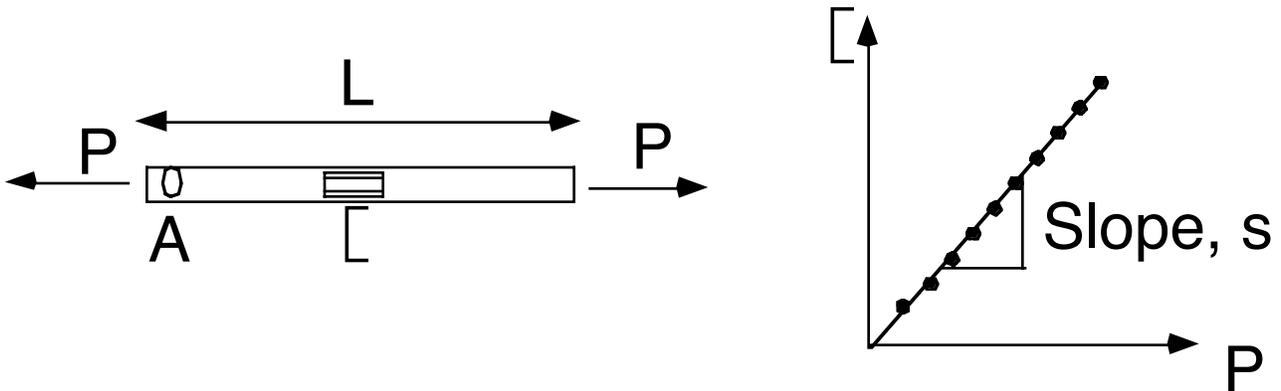


M17 Concept Question 1

A bar, length L , cross-section A is loaded in uniaxial tension by applying a load P . Strain is measured via a strain gauge and is plotted against the applied load:



The Young's modulus of the bar material is given by:

1. s
2. sA
3. $\frac{1}{sA}$
4. $\frac{L}{sA}$
5. $\frac{sA}{L}$
6. Some other answer
7. DNK/DNU