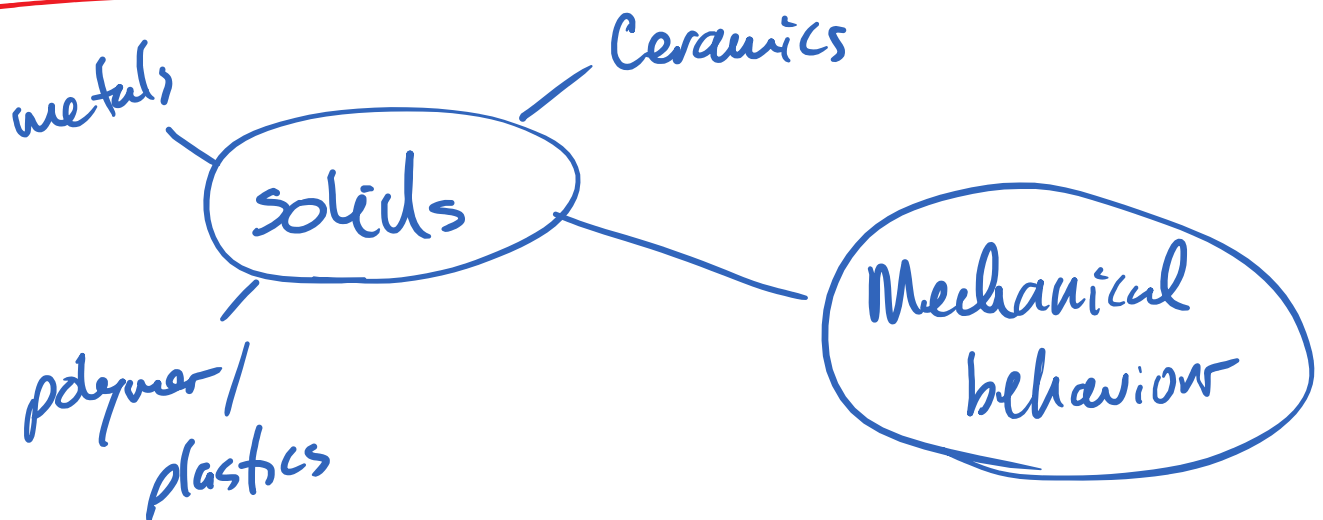
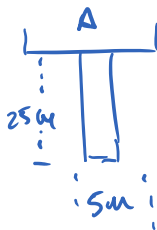
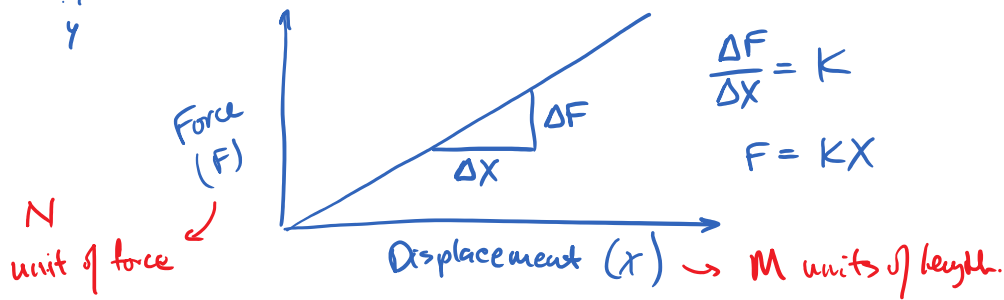
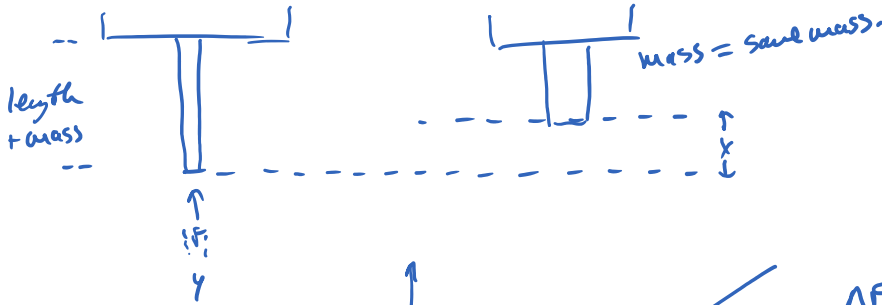
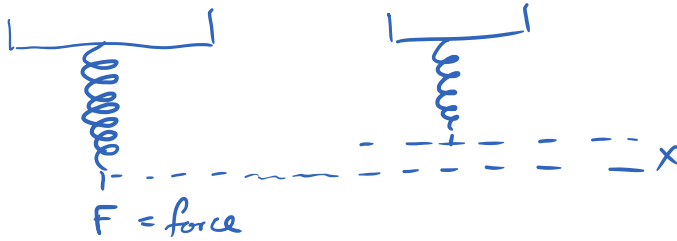


strain
stress > not modern ☺

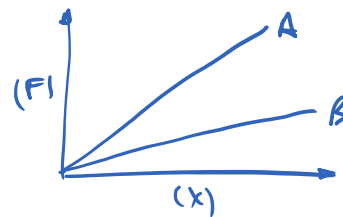
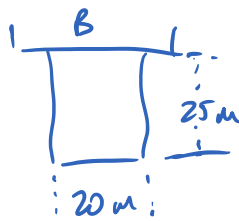


Hooke's Law

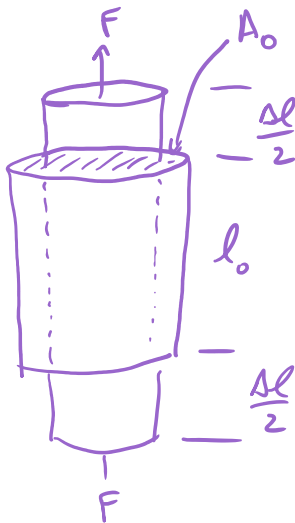
September 5, 2024 2:34 PM



or

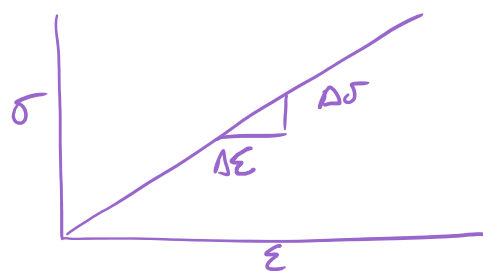


stress / strain.

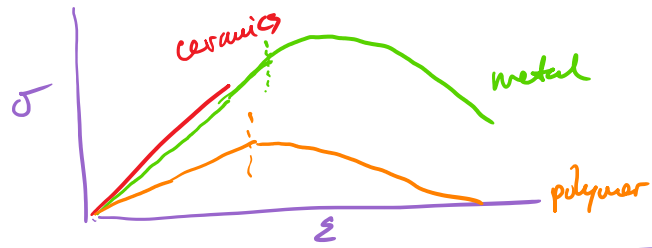


$\sigma = \frac{F}{A_0}$ - force = stress
 "sigma" - initial area.

$\epsilon = \frac{\Delta l}{l_0}$ = strain
 "epsilon"



$\frac{\Delta \sigma}{\Delta \epsilon} = E$
 ↑
 "Young's"

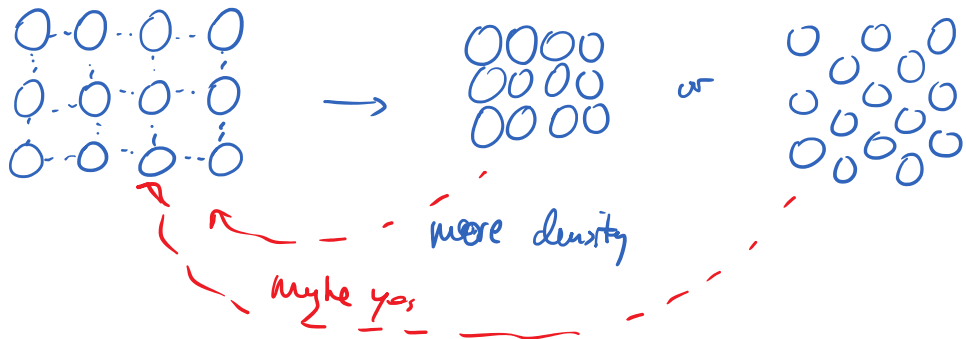


elastic

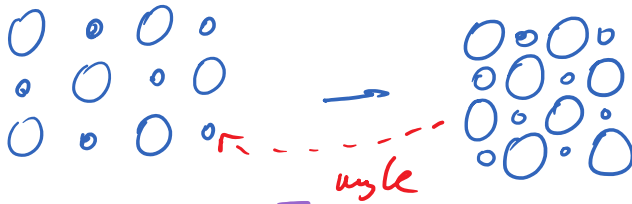
"start"

or use...

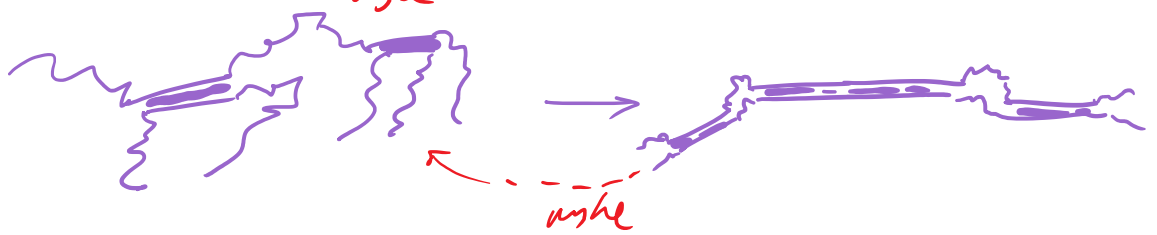
metal



example
CuO

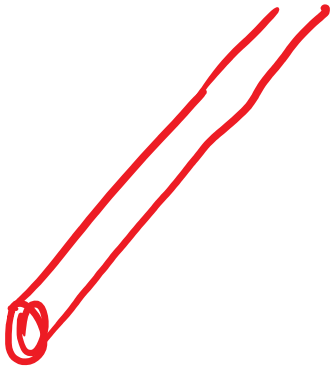


polymer



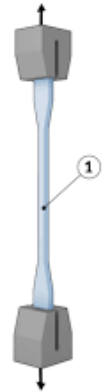
... just an example

September 9, 2024 9:16 AM



Tensile Test

September 5, 2024 2:59 PM



MANUFACTURING GUIDE

