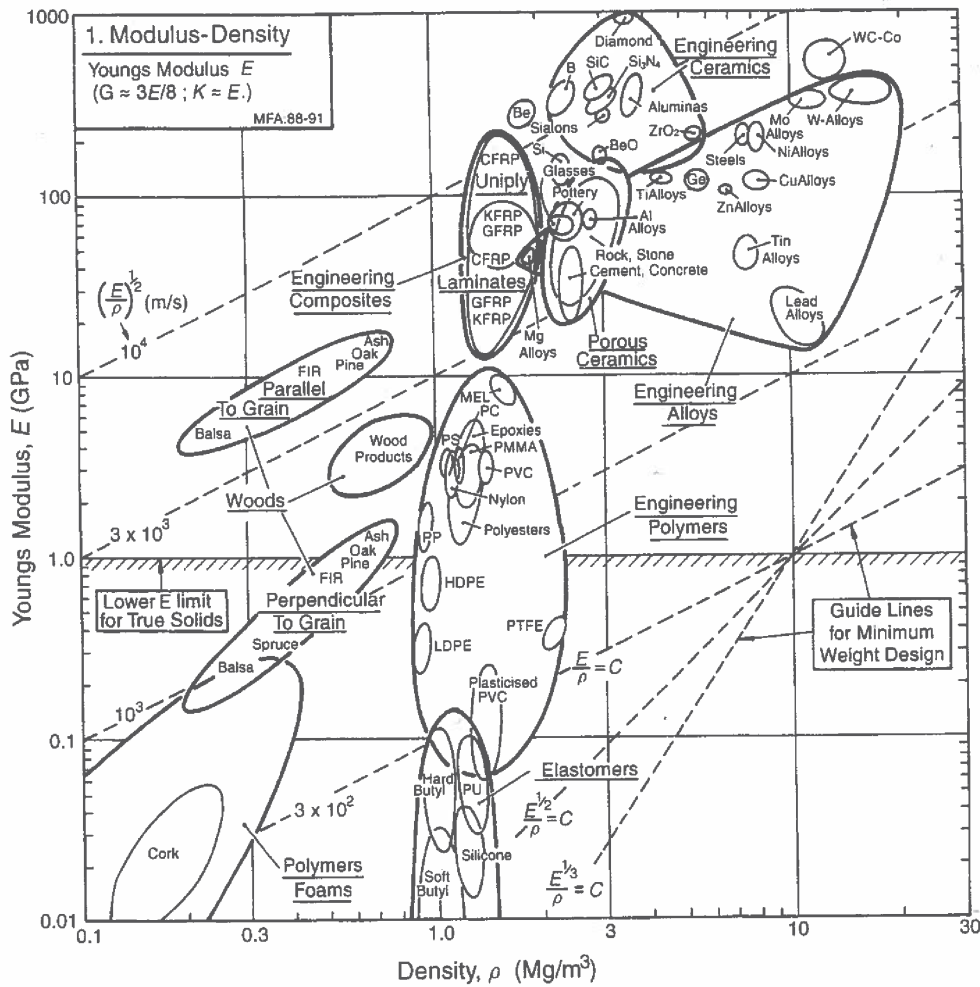
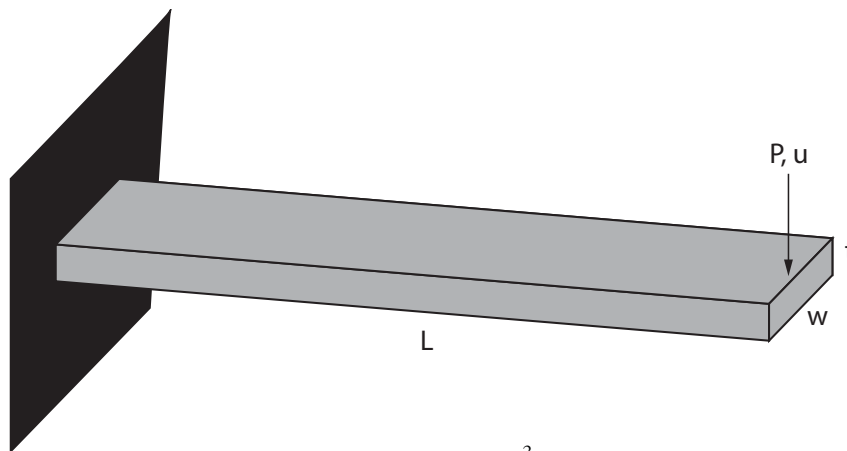


HW02: Using the Modulus vs. Density Map



(i) The map has dashed lines for different combinations of the ratio of the Youngs Modulus and density. Determine which one is pertinent to the diving board problem as shown below,



$$k_{diving} = \frac{P}{u} = \frac{wt^3E}{4L^3}$$

(ii) Write a 100 word paragraph on the significance of the map shown above. And how you can use it.