10.6 [10.3] Plot τ_{max} vs. x in the series of shafts welded together as shown in Fig. 10.27. Disregard stress concentrations at the juncture of the materials. What is the total twist at the left end? Take the following data:

$$G_A = 10 \times 10^6 \text{ psi}$$

$$G_B = 20 \times 10^6 \text{ psi}$$

$$G_C = 15 \times 10^6 \text{ psi}$$

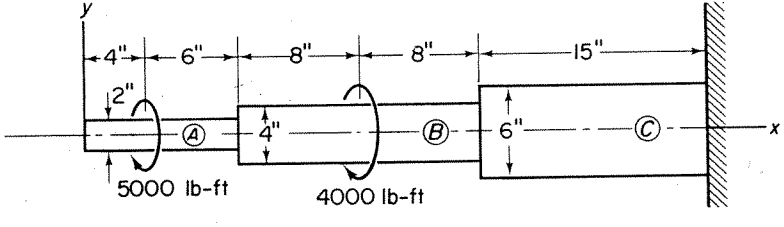


Figure 10.27