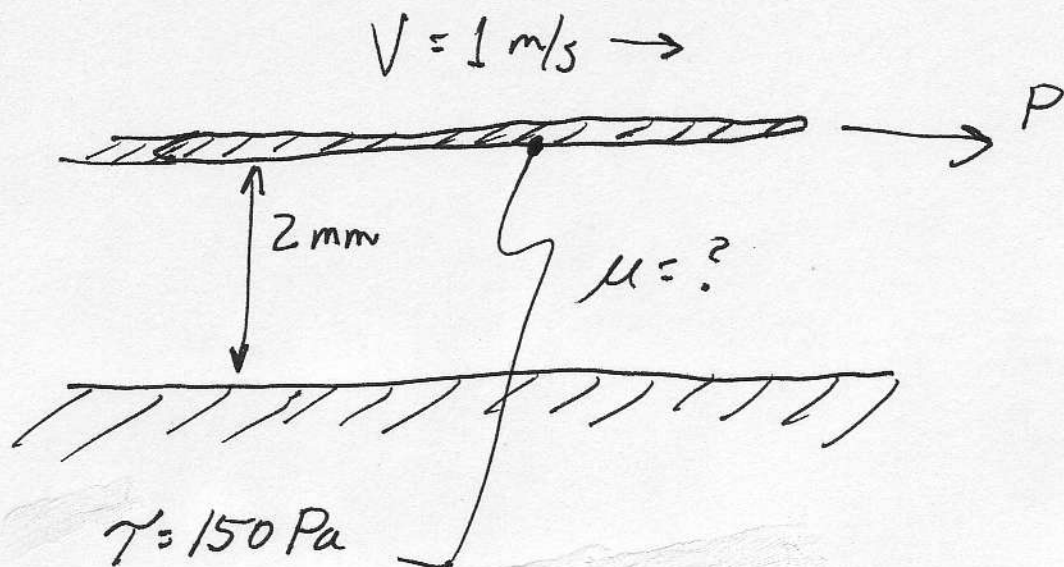


MYO 1.53



Assuming a linear velocity profile

$$\frac{du}{dy} = \frac{\Delta u}{\Delta y} = \frac{1 \text{ m/s} - 0}{2 \times 10^{-3} \text{ m} - 0} = 500 \text{ 1/s}$$

$$\tau_w = \mu \frac{du}{dy} = \mu (500 \text{ 1/s}) = 150 \text{ N/m}^2$$

$$\mu = 0.3 \frac{\text{N}\cdot\text{s}}{\text{m}^2}$$