

# PROBLEM 13.78

KNOWN:  $\rho = 1.94 \text{ slug/ft}^3$

KNOWN:  $\mu = 2.35 \times 10^{-4} \text{ lb} \cdot \text{s/ft}^2$

KNOWN:  $\nu = 1.1 \times 10^{-5} \text{ ft}^2/\text{s}$

KNOWN:  $\omega = 100 \text{ rev/s}$

KNOWN:  $r = 0.05 \text{ ft}$

KNOWN:  $\tau = 0.001 \text{ lb/ft}^2$

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