NAME

Fluids-ID

Quiz 1.

For a parallel plate arrangement shown below, it is found that a shearing stress of 150Pa develops at the upper plate when it is pulled at a velocity of $1\,m/s$. Find the distance b between two plates. The viscosity of the fluid between plates is $0.3\,N.s/m^2$.

(Hint: $u(y) = \dfrac{U}{b}y$)