```
Day - 13
(si unit)
Quantity
               egytetere9
e.o
                                madel
                                 2.5
  Q
                 2500
                                 1800
 ယ
                  0.5
  Δ
  4
                  m \approx 0.381571
= 381.571
                                model
             Psratatype
0-75
  Q
                 15
  h
                 500
                                  1000
  W
  4
                0.25
  Pewer
                                   ること
  P= h,pQ, = 15x 1000x 0.75/1000
```

$$D_{2} = D_{1} \left[\left(\frac{\omega_{1}}{\omega_{2}} \right)^{3} \frac{\rho_{2}}{\rho_{1}} \right]$$

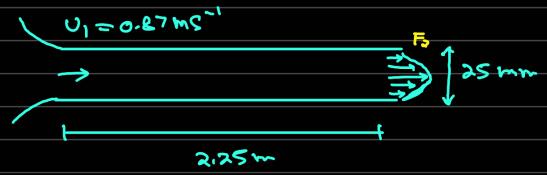
$$= 0.25 \left[\left(\frac{\omega_{1}}{\omega_{2}} \right)^{3} \frac{\rho_{2}}{\rho_{1}} \right]$$

$$= 0.25 \left[\left(\frac{\omega_{1}}{\omega_{2}} \right)^{3} \frac{\rho_{2}}{\rho_{1}} \right]$$

$$= 0.195 \text{ m}$$

$$U_{1} D_{1}^{3} = 0.195 \text{ m}$$

$$= 0.195 \text{$$



$$U_{1} \frac{\pi}{4} (d)^{2} P = \int U(3) 2\pi 3 d3 P$$

$$\Rightarrow U_{1} \frac{\pi}{4} d^{2} = \int 2\pi U_{1} \left[3 - \frac{31^{3}}{R^{2}}\right] d3$$

$$= 2\pi U_{1} \left[\frac{R^{2}}{2} - \frac{R^{2}}{4}\right]$$

$$= \frac{\pi U_{1} R^{2}}{2} (R = d/2)$$

$$\Rightarrow U_{1} = \frac{U_{1}}{2} \left(\frac{d}{R}\right)^{2} = 2U_{1}$$

$$= 1.74 \text{ ms}^{-1}$$

$$-m \, U_1 + \int p \, U^2(3) \, 2 \, \text{reg} \, dy$$

$$= (P_1 - P_2) \, \text{reg}^2$$

$$+ F_X$$