443 Tudonal 3

P3.14

$$V_{1}=2.5m13$$
 $V_{2}=1.9m18$
 $V_{3}=1.9m18$
 $V_{4}=2.5m13$
 $V_{5}=1.9m18$

$$\frac{1-0.30}{1-0.30} = \frac{1-0.30}{1-0.30} = \frac{1-$$

$$\frac{P3.18}{0 = 94 \int RdV + \int P(V.n)dA}$$

$$0 = 0 + P\int UdYb - P\int U_0dYb + Q$$

$$Q = PU08b - Pb\int_0^4 U_0(\frac{37-73}{2})dY$$

$$= PU08b \left[1 - \frac{1}{2} \int_0^4 (\frac{37-73}{2})dT\right]$$

$$= \rho v_{0} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} = \rho v_{0} + \frac{$$

= 0.375 PUOSb

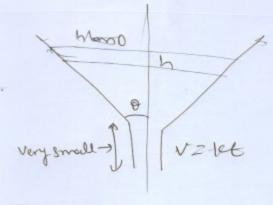
$$P_{3.49}^{3.49.7}$$
 $P_{2.89}^{2.89}$ $P_{2.89}^{3.49.7}$ $P_{2.85}^{3.49.7}$ $P_{2.89}^{3.49.7}$ $P_{2.8$

may balance
$$0 = 6 hi Ple + 6 hi Ple - 6 x 0.04 x Ple$$

h1 = 0.02 m

1 momendom

P3.28



dt = tr(htan 0) dh

may balance

$$0 = \frac{d}{dt} \int P dt + \int P(V,n) dA$$

$$= \frac{d}{dt} \int P \int_{0}^{2} t dn dA - \int P(Kt) \frac{\pi}{4} d^{2}$$

$$0 = \frac{d}{dt} \left(\frac{h^{3}}{3} t dn^{2} \theta \right) - \int Kt \frac{\pi}{4} d^{2}$$

$$\int d \left(\frac{h^{3}}{3} t dn^{2} \theta \right) = \frac{K}{4} d^{2} \int t dt$$

$$\int d \left(\frac{h^{3}}{3} t dn^{2} \theta \right) = \frac{K}{8} d^{2} d^{2} d^{2}$$

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