Fluido Ideale: M=0 p=cost

Moto laminare > no moti "vorticoi"

Moto "stationario"

dm, dV lince di flumo

tubo di flumo

dt dl, - Sedt  $de_{i} = \sqrt{i}dt$  p = cost  $dm_{i} = dm_{2}$   $\Rightarrow dV_{i} = dV_{2} = dV$ dEr = dW-or

dWTOT = dWvoe + dWsup

to perso prensione

 $dW_{Vol} = dW_{pero} = -dE_{p,pero}$  $-(E_{p,-E_{p,-E_{p,2}}) - (E_{p,3}-E_{p,3}) - ---$ 

 $X = -\left(dmgt_2 - dmgt_1\right) = -pdV\left(t_2 - t_1\right)$ 

$$dW_{sup} = \overline{F}, d\overline{e}, + \overline{F}_2 d\overline{e}_2 = p, S_1 d\overline{e}, -p_2 S_2 d\underline{e}_2 =$$

$$= (p_1 - p_2) dV$$

$$dm = p dV$$

$$dE_{K} = \frac{1}{2} dm N_{2}^{2} - \frac{1}{2} dm N_{1}^{2} = \frac{1}{2} p dV (N_{2}^{2} - N_{1}^{2})$$

$$\frac{1}{2} \rho (N_2^2 - N_1^2) = -\rho (z_2 - z_1) + (\rho_1 - \rho_2)$$

$$P_1 + P_{t_1} + \frac{1}{2}P_{t_1}^2 = P_2 + P_{t_2} + \frac{1}{2}P_{t_2}^2$$

$$\Rightarrow p + p + \frac{1}{2}p = cost$$
Bernoulli

$$z = cont$$

$$q = \sqrt{S} = cont$$

$$P \neq$$

$$P \neq$$

