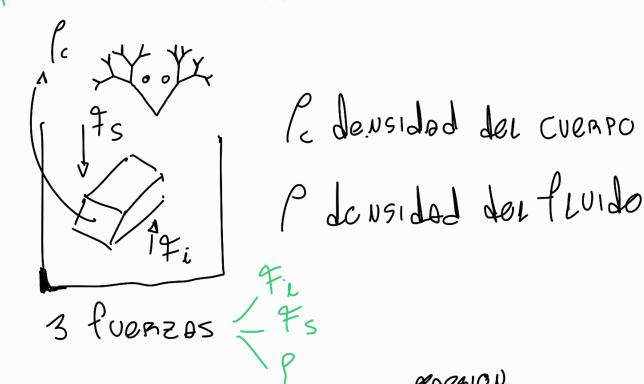
## PRINCIPIO de Arquinedes

Problemo: Media P de UN CUERPO SIN desarrible.

Todo CUERPO PARCIAL O totalmente SumerGido en un ficildo experimenta UNA fuerza Ascensogial (enpuse) 1600 L AL Peso del fivido desenzado



LMPUSE:

Envoyer.

$$E = F_i - F_s = 5P_i - 5P_s = 5(P_i - P_s)$$

$$= 5(Pgh) = VPgV = Meg = Perode finds I desourcedo$$

como medimos el u en equinbelo T-P+E=O Pero Ich OverPO p Peso de la coutrapeso Peso P2 = 7 der CUORPO

Lu Precoute de finol.

## fividos Ideales - Hidradivanica

Dec. le continuide

CONSCRIBTION de MOSO

NINTSIP, =  $N_2 NTS_2$ AVANCE

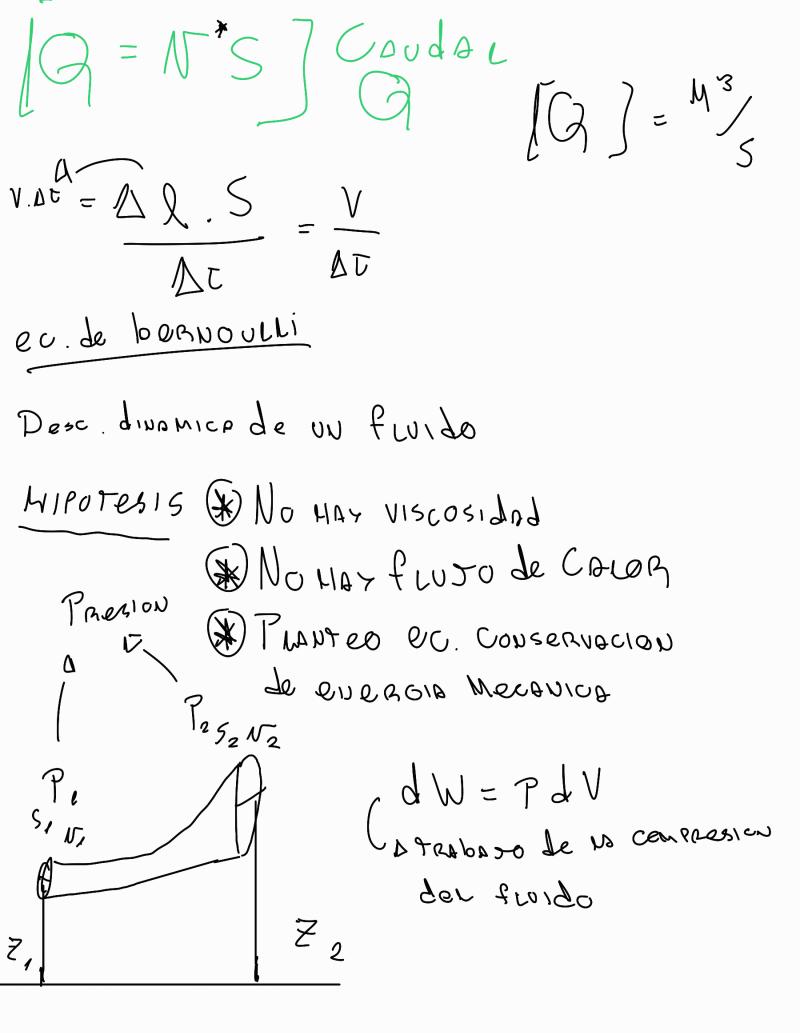
PILOIDO  $P_1 = P_2$ LUIDO

Volumen de fluido que entro

MONTRO = MSALIÓ

[N, S, = N2. S2] CAUDAL

G, = G, 2



$$\frac{1}{2}\Delta M_{2}N_{2} + \Delta M_{2}gZ_{2} + P_{2}\Delta V_{2} = \frac{1}{2}\Delta M_{1}N_{1}^{2} + \Delta M_{1}gZ_{1} + P_{1}\Delta V_{1}$$

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$$\frac{1}{2}\Delta M_{2}N_{2} + \Delta M_{2}QZ_{2} + P_{2}\Delta V_{2} = \frac{1}{2}\Delta M_{1}N_{1}^{2} + \Delta M_{1}QZ_{1} + P_{1}\Delta V_{1}$$

$$\frac{1}{2}\Delta M_{2}N_{2} + \Delta M_{2}QZ_{2} + P_{2}\Delta V_{2} + P_{2}\Delta$$

1/2 (N2+ (g=2+1)2=1/2) -1 + (g=1) - D'Teorema de conseauzación

12 PN7 PGZ+P=Cte 2 CUBEION de DERNOULLI

Vegnos:

2) toans de torriceili

BIT h LOW A GUZERO?

APLICO LORANOVILLI EN A 7 B

12 P WA + Pg Z 4 PA = 12 P N3 + Pg ZB + PB

$$Vg(Z_A - Z_B) = \frac{1}{2}RV_B^2$$

$$\overline{(2gh)} = V_B$$

$$Z_A - Z_B = h$$