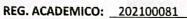
UNIVERSIDAD DE SAN CARLOS DE GUATEMALA **FACULTAD DE INGENIERIA ESCUELA DE CIENCIAS DEPARTAMENTO DE FISICA PRIMER SEMESTRE 202**







CUI: 3020696740101

NOMBRE: Javier Andrés Monjes Solórzano

CATEDRÁTICO: Eddy Josué Solares Espinoza

SECCIÓN:

Datos P= 1240 Kg/m3

304500 = 25.06

Pa= 707,500 Yadmustern Prom = 3 atm > 101500 Pa

25.06m

9-9.8011 Pa= Pman + lata

I = 12

+ m=8

(ItIz)w= Iwo

Iz= (12)(8) -12=7.2

7.2/2

Dato

h=0.15m

sh= 12, m

Po= pb

Pug= 13600

Pro 9.3 = P.9 hi

P= (13600)(0.15) = [6,8000 Ks/m3/p.

Cuble de acevo

1=75 A=5

14 = 2000 OK)

OL = 1.5

Y= 2.7.10"

A= Scm. (10)2 = 5.10.4

T = m(atg)

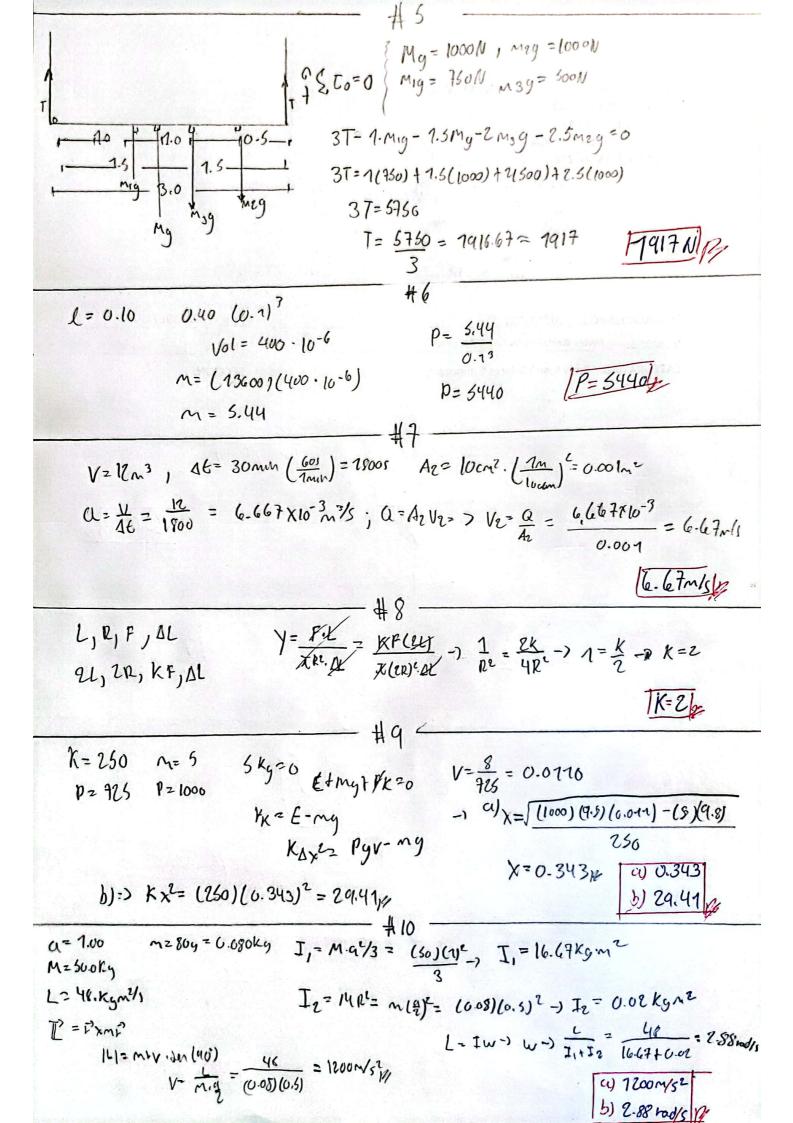
T= (20000)(11.3)

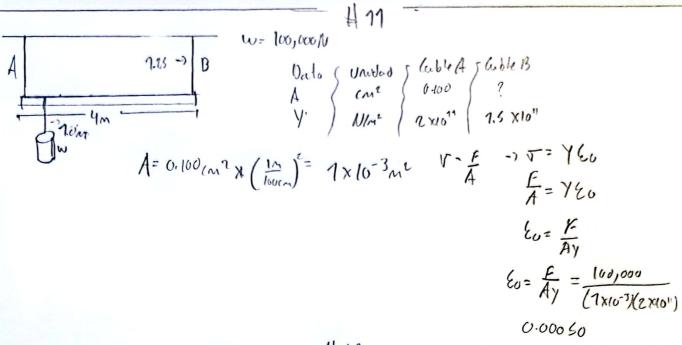
7-226000

DL=75(186000) (3.4.10-4)(2.1.104)

DL= 0.149

DL = 0.749 12





$$T+E-p=0 \quad m=\frac{p}{g}=\frac{20}{a.g}=2.04$$

$$Pg_1=P-T$$

$$V=\frac{P-T}{Pg}=\frac{20-16}{(1000)(a.s)}=4.082\times10^{-14}$$

$$14.082\times10^{-14}$$

#13

$$H_{12} 1225 \qquad L=0.02$$

$$h = \frac{v^{2}}{2g}$$

$$h_{12} 10^{2} = 5.60p_{1} R_{0}$$

$$G = R(0.02)^{2}(10) = 0.0126$$

$$E = \frac{3.6}{0.0126} = 47.666$$