

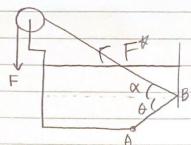


3

3

3

3



$$sin\theta = \frac{0.6}{0.9} = \frac{2}{3}, \theta = 41.81^{\circ}, tanx = \frac{0.4}{0.8}, x = 26.56^{\circ}, A = 0.54m^{2}$$

FR = pghcA = (190kg/m²)(9.31m/s²)(0.11m)(0.54m²){1000gm/g}
= 2.93 kN

1 FRAMINEI hp = s+b/2+ 12(s+b/2)

 $= 0.7m + \frac{0.36m^2}{12(0.7m)} = 0.74286m$

 $\sum M_{A}=0$ \Rightarrow $F_{R} = F' x'$ $(2.93kN)(\frac{1-0.74286}{sin6}m)$ $F' = \frac{F_{A} x_{B}}{x'} = \frac{(2.93kN)(\frac{1-0.74286}{sin6}m)}{0.45m}$

= 2.51 KN

74 F71158 (2) Fyate = W (050 = 00224 KN

Ftotal = Faute + F' = 2.134 KN

NAMM 작용하는 화생트 수

 $(0.45m) F_{total} = 2 F^{total} = 2 F^{total} = 0.9 sin(x+\theta)$ = 0.8366 m

F = 1.47 KN

THEM 432 Solder 11 912 3138 [F = 1.47 KN]

Ch 3-96

9

3

3

3

3

3

-

-

-

(301)

Archimenes &2)

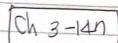
FB = W > Pt2 Vanh = Parg body & V total

-> Vsub = Parg. body

Veolal 01100 0107 Vsub = 90 01010 FOETL

There = 0.9 = Fare Lot

Parg tody = Piceberg = 922.5 kg/m3



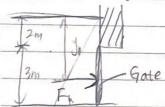
生13m, 于5m

5m30) 문에서 건두역고나 양덕강상이원하는?

到

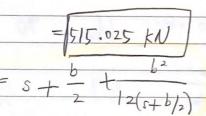
수직인 직사가 들렁다니

是1000 日/mi



FR = Pag A = pghoA = pg (s+b/2)A

=(1000 kg/m3)(9.81 m/s)(2+3m(3x5m2)



←Po=0=3 ₹27=fc}

