Chap. 2. p. 12 Force and pressure at bottom of a liquid column (incompressible: density=const.) h liquid clensity & liqua... V=A.h $T_{c}=ggV=ggAh$ P= FG = ggh

Exercise 2.2:

absolute pressure:

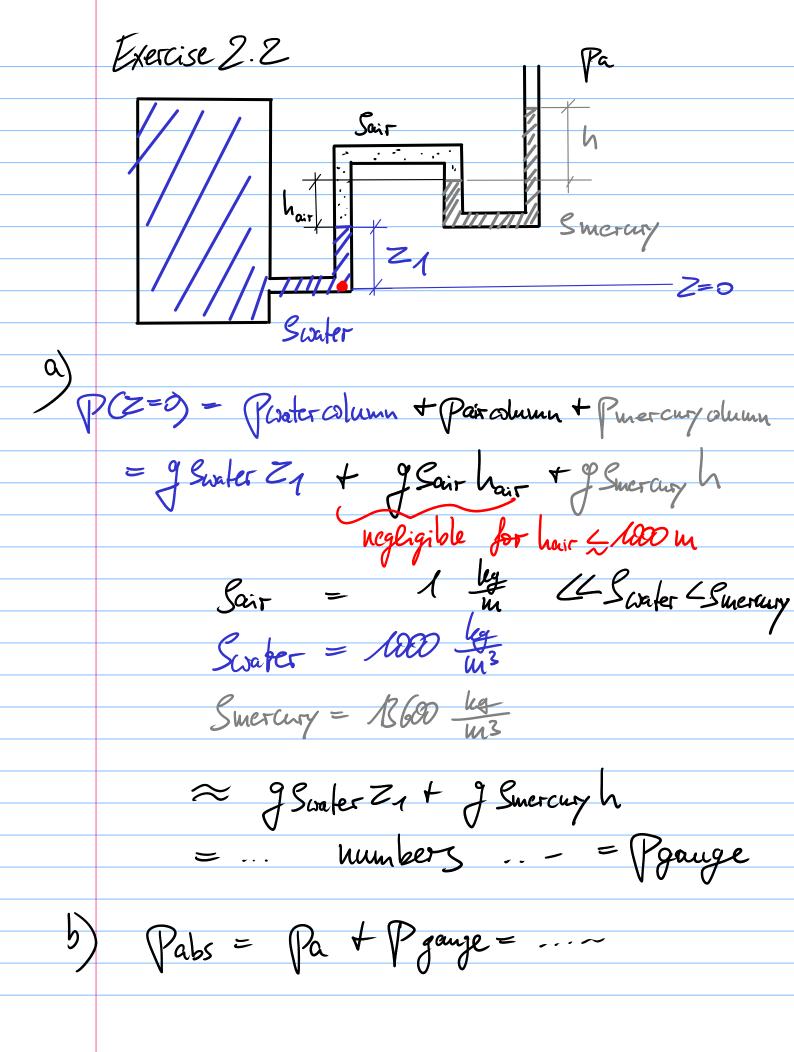
aun bien + pressure plus

pressure inside fluid

gange pressure:

absolute = P(z) = Po + JS(h-z)gange pressure

gange pressure



Exercise 2.3 Cube with edges a => A = a² is horizontal area V₄
V₂
S₂
S₂ Bouyancy effects from all Iliquids: Fy= 9 S1 V1 = 9 S1 Als TO2=952 /2=952 Al2 $\overline{I_{33}} = 9 S_3 V_3 = 9 S A(Q-l_1-l_2)$ ls 8+ what remains from a FG = FB = FB1 + FB2 + FB3 g A.a.s. = g S1 Al, + g S2 Alz+ g S3 A (a-lily) as = Sili + Sili + Sia - Sili-sili ass-szh-sza+szlz = (S1-Sz) l1 $a(S_3-S_3)+h(S_3-S_2)=l_1=...$ unumbers (S_1-S_3)