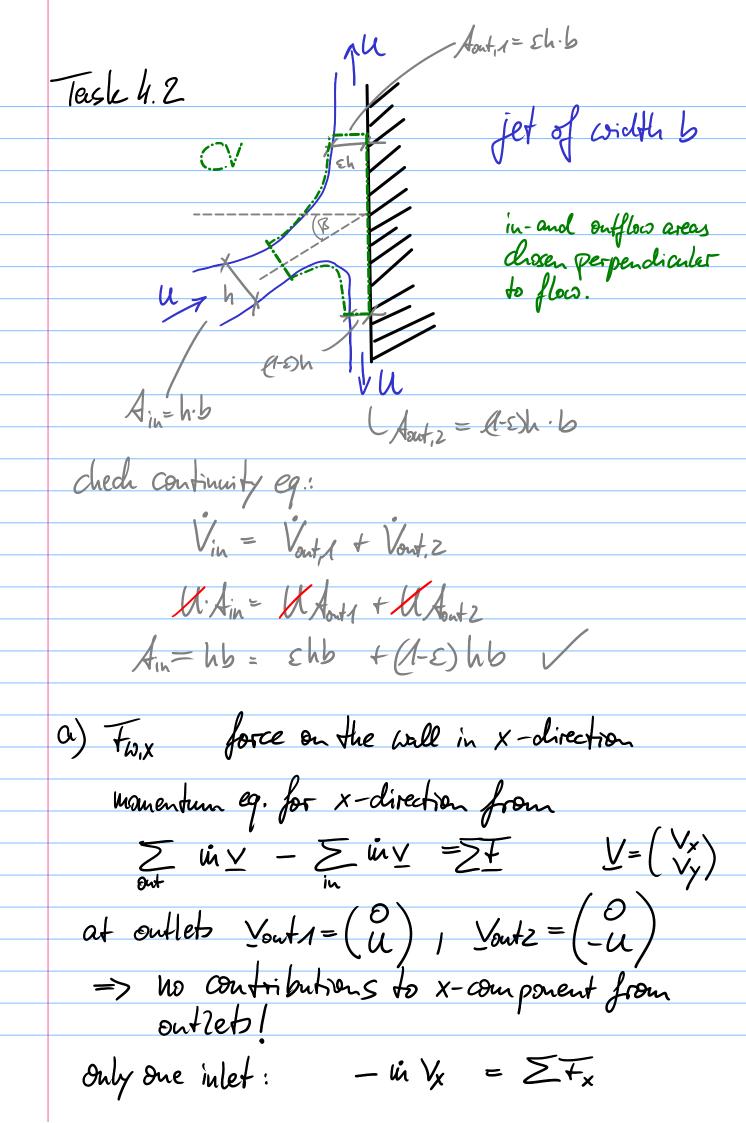
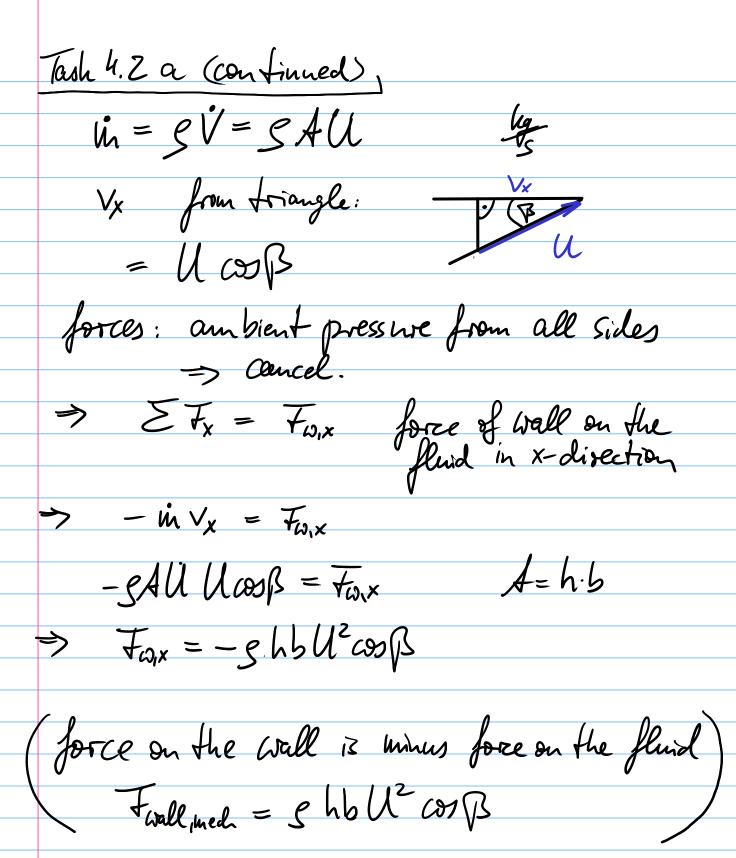


Max ? DEZ = Shbll COSB

But this mans minimum! De look for a maximum! > Yes, the winimum 3 the maximum in the negative direction.





Task 4.25) Relation between E and B from momentum eq. in y-direction. My Voutiny + Monte Voutery - Min Viny = 0 $V_{\text{out,1}} = \begin{pmatrix} 0 \\ U \end{pmatrix}$ $V_{\text{in}} = \begin{pmatrix} U_{\text{coops}} \\ U_{\text{sin}} \neq 0 \end{pmatrix}$ $V_{\text{out,2}} = \begin{pmatrix} 0 \\ -u \end{pmatrix}$ min = SVin = SAU = ShbU Monof,1=8 Vout,1=8 About,1= 8 Shb M montie = - 5 (1-E)h b U gehbll H S(1-E)hbll(-U) - ghbll llsin B=0 eshblir - gliblir + gshblir - gliblir sin B = 0 $\varepsilon - 1$ $\varepsilon - \sin \beta = 0$ ZE = 1+Sin B

 $2E = 1 + \sin \beta$ $E = \frac{1}{2} \left(1 + \sin \beta \right)$

Task 4.46) Hints: P=F.V > Which relocity? > mechanical power to move rochet. F force on wall from a) Work/Energy W= T.15 15 distance fraveled by piece Power = WorldTime P= W 三下杂

Scratch Vonti=(U)
$\sqrt{a_{1}+1}=(1)$