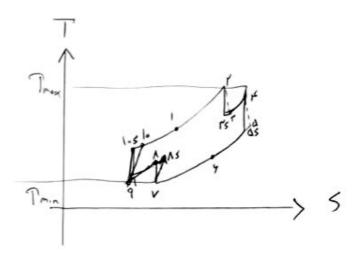
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 $W_{c} = \frac{m \cdot C \rho T_{c}}{N_{c}} \left(\frac{T_{AS}}{T_{v}} - 1 \right) + \frac{m \cdot C \rho T_{q}}{N_{c}} \left(\frac{T_{AS}}{T_{q}} - 1 \right) = Y_{x} \frac{m \cdot C \rho T_{min}}{N_{c}} \left(P_{1} \right)$ $Reg: N_{r} = \frac{T_{1} - T_{0}}{T_{0} - T_{1}} = \sum_{l=1}^{n} T_{l} + \left(\frac{T_{0} - T_{1}}{T_{0}} \right) \frac{R_{2}N_{r}}{N_{c}} \left(\frac{R_{2}}{N_{c}} \right)$ $Q_{in} = m \cdot \left(\frac{N_{r} - N_{1}}{N_{r}} \right) + m \cdot \left(\frac{N_{r} - N_{r}}{N_{c}} \right) + m \cdot \left(\frac{N_{r} - N_{r}}{N_{c}} \right)$ $N_{c} = \frac{T_{1} \cdot S - T_{q}}{T_{1} - T_{q}} = \sum_{l=1}^{n} \frac{T_{1} \cdot S - T_{q}}{N_{c}} + T_{q} = \sum_{l=1}^{n} \frac{T_{l} \cdot S - T_{$

8-13: Contined Gas- Eldin a) heat added per pound mass afair 1 = der er => | P= 1/d9 | T= der er => | Pr= 1/d9 | h= 119, fr Btu Pbm Air Professor theiritian air

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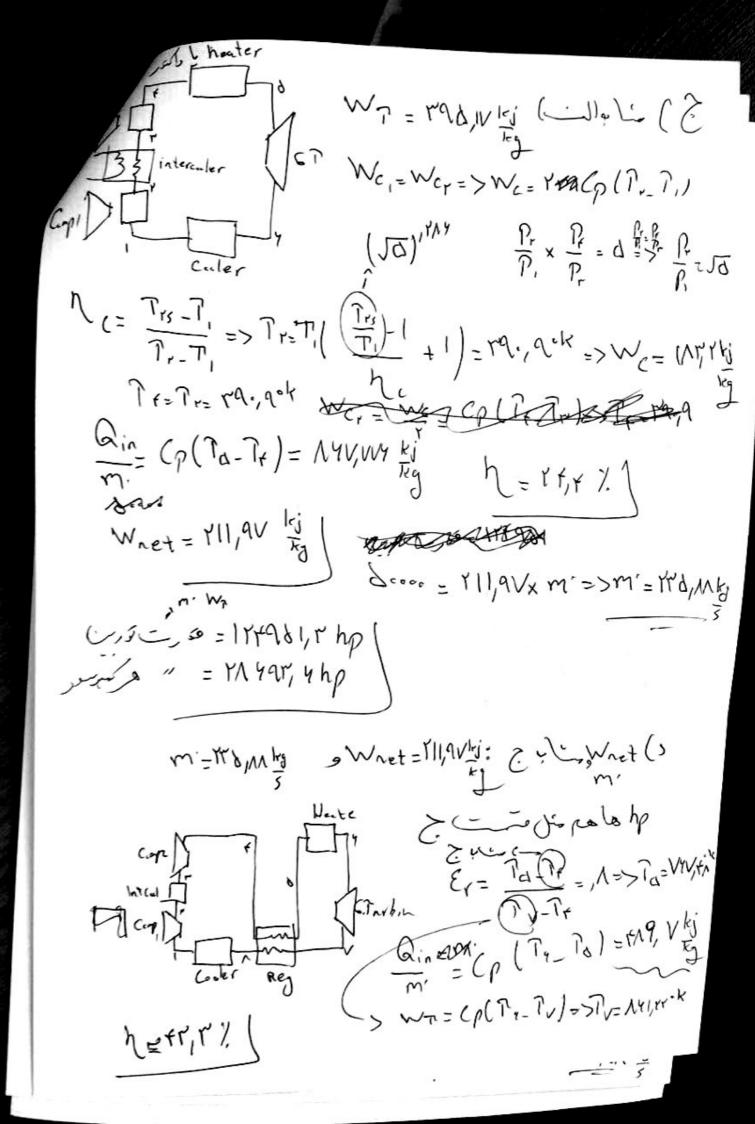
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Professor theiriti pils co - to / millingas 1 lbmair Y. Perents = Vacan your Thinh



Qine Mar (p (Tr-Tr)

h = Trs-T1 => Tr= [7,5-7] + T1 = d.d, Vd. 713 = 250

Qin = 1, ... f (1/da/1 - 0.0, Va) = Var, tv 1/9

η = W7-Wc = (ΥΔ),) (ΥΔ),) (ΥΔ), ν τη δ, Ιν= (Υ-ΥΛ), ΔΛ × τη δ, Ιν= (Υ-Υ), ΔΛ × τη δ, Γν= (Υ-Υ), ΔΛ × 2 = Vry 19, 4 hp

10 - 10 - 10 | W = 1.49.4 kg

Weat = 111.17 kg

West = 111.17 kg

Qin == Cp (Tx-Tr)= +44, 47 kg

Er= Tr-7r = 1 => Ta= V9.78 = K)

h r= Tr-Tr- hr(Tr-Trs)=Tr-hrTr(1-1-- λ41, 4rot عدر - تورس وتمير روي الد. (./.) مع مين معر - تورس وتمير روي الد.

c) War= hr-hr= 44V,17- Frf, Fr= Yfr, V Btu Air War= hy-hv=18, f, f - 9FAXAYT, d = Mg 9 Btu
War= hy-hv=18, f, f - 9FAXAYT, d = Mg 9 Btu
Man stea - YV, ay Btn BomAin We= he-h,= Vy Btn Obm Air Wret = 141, V+ 4V, 94- VY = 414, 84 Blu Don Ar d) 2 cc = 4/1/14 = 69,1% e) no = Won-We 200, F/,]
BC

)

1148 x 1 x stal, orr 8 = 44V, 1 Btu Bon Air 9=hr-hr=44V,17-194=4V1,17 Btu
lbmair b) The steam flow anstruccie ~ h = Btu = & P84,217 Btu

Ab. mil feeters

ges 1 /51 -> | V= 1.191 f fgr / 1/50 = ha ~ 5 Wp = .

ELLT => | N= 49, VT 18h = ha ~ 5 Wp = .

S= 1844 Bhm. F

Pv=Pn=1 10: | SF= 1844 Pv=Pn=1 Ps; { Sf=, 1874 Sfg=1,1808 => ルェルバグ:> 5v = 5y=1,48r 917, 6 h. ha = 4rt, tr _ r84, rr = 141, r Btu

Bha Air hy- hq = 18.4, + 3 - 49, Vr = 1 +rx, 4v Bin mistegn x (hy-ha) = mair x (hx-ha) => mister = 11v for strong