PEUX ESRUE 26/07/2018

*BICANCIO DI MASSA *

$$\frac{A_{1}}{A_{2}} = \frac{m_{A2-A3} + m_{A2-A4}}{m_{A2-A4}}$$

$$\frac{A_{2}}{A_{3}} = 854,51 \frac{M_{3}}{M_{3}}$$

m AZ-AG = 0, 15 m A1-AZ

$$\mathcal{O}_{A2-A3} = \left(\frac{4 \cdot m_{A2-A3}}{\beta}\right)^{0,5} = 737,56 \, mm$$

$$V_{\text{conc}} = V_{\text{conc}} =$$

$$/_{A2-A3} = /_{S1-S2} = \begin{cases} \frac{L_{A2-A3}}{D_{A2-A3}} & \frac{15^2}{2} = 20,337 \end{cases}$$

& PRESSIONE insnésso Deus Tingins *

$$\frac{P_{1}}{P_{2}} + \frac{N_{1}}{N_{2}} + g_{1} + \frac{N_{1}}{N_{2}} + g_{2} + \frac{N_{1}}{N_{2}} + \frac{N_{1}}{N_{2}} + g_{2} + \frac{N_{1$$

ELIO > GAS PERFERIO
LIGHOSTICEM &

$$Cp = \frac{5}{2}R^*$$
 $R^* = \frac{R}{MM}$
 $Y = \frac{Cp}{Cv} = \frac{5}{3}$

ESPANSIONE ISOSEMUS 1 > 2

12 = 30 bar $T_2 = T_1$ $XS = C_P \ln \left(\frac{T_2}{T_1}\right) - P^* \ln \frac{P_2}{P_1} = 27 \text{ kg}$ $S_2 = C_1 + AS_2 - 97 \text{ kJ}$ $S_3 = C_4 + AS_3 - 97 \text{ kJ}$

S2 = S1+AS = 2,7 KgK Cournessione Isotennopica 2→3

$$\frac{\overline{13}}{\overline{1_2}} = \left(\frac{P_3}{P_2}\right)^{\frac{V-1}{V}} = \sqrt{13} = 1972.7K$$

$$l = C_p \left(T_3 - V_2 \right) = 4,15 \text{ MJ } \left(\text{ENTINAME} \right)$$

$$\Delta S = \frac{54 - 53}{13} = \frac{1.52}{13} - \frac{1.52}{13} = \frac{1.5$$

$$\frac{3}{701 = 15^{\circ}C}$$

$$\frac{5}{1}, \frac{5}{2}, \frac{5}{3}, \frac{5}{3}$$

$$\frac{1}{1004} = 15^{\circ}C$$

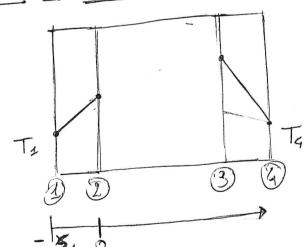
$$\frac{1}{1004} = 15^$$

$$R_{12} = \frac{S_{1}}{K_{1}} = 0,002S \frac{m^{2}k}{W} \qquad R_{34} = \frac{S_{3}}{K_{3}} = 0,005 \frac{m^{2}k}{W}$$

$$9_{1\rightarrow\infty} = h_{\infty1} \left(T_1 - T_{\infty1}\right) = 300 \frac{W}{m^2} \left(datc\right)$$

$$T_1 = \frac{9_{1\rightarrow\infty}}{h_{\infty1}} + T_{\infty1} = 406^{\circ} C \xrightarrow{9_{1\rightarrow\infty}} \frac{T_1}{q_{1\rightarrow\infty}}$$

· il FUSSO TENUICO USCETTE OSLIA PALETE OI DESTAS 4 SSU LA DIFFERENAN Tra la Génératione oi POTEMAD INTERNA E IL FLUSSO 91-300



- · MEI 2 STROTI ITTEMI IL PROFILO DI TELLENSTURO È WHEARE
- · LELLO STROTO CERTROLE IL PROFILO È RANSBOWGO

$$T(x) = -\frac{9}{2} \times^2 + C_1 \times + C_2$$

$$2K_2$$

LE COSTATIO INTEGNOTIQUE SI TNOVADO ILBRUENDO LE TEULENSTUNE

$$T_2 = -\frac{9}{2U_2} \left(2 \right)^2 + C_1 2 + C_2 \Rightarrow C_1 + C_2 \Rightarrow C_2 = T_2$$

$$T_{3} = -\frac{9}{2W_{1}} \left(\mathbf{O} + S_{2} \right)^{2} + C_{1} \left(\mathbf{O} + S_{2} \right) + C_{2} \implies C_{1} = \left(T_{3} - T_{2} \right) + \frac{9}{2W_{2}} \frac{S_{2}^{2}}{S_{2}}$$

$$R_{400} = 9_{400} / (T_{4} - T_{004}) = 50,3836 \text{ M}$$

$$R_{1} = \frac{C_{1}M}{100} = 0,7192$$

$$N_{11} = \frac{h_{400}L}{100} = 9615,197$$

$$N = \left[\frac{N_{11}}{R_{11}}, 0,037\right] = 21,32 \text{ m/s}$$

$$P_{\text{EVA}} = P_2 = P_{\text{SAT}} \left(22^{\circ} \text{C} \right) = 9,137 \text{ boot} = P_1$$

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$$P_{\text{EVA}} = P_2 = P_{\text{SAT}} \left(22^{\circ} \text{C} \right) = 6,150 \text{ boot}$$

$$P_{\text{EVA}} = P_4 = P_3 = P_{\text{SAT}} \left(10^{\circ} \text{C} \right) = 6,150 \text{ boot}$$

$$P_2 = h_{VS} \left(22^{\circ} \text{C} \right) = 1624,68 \text{ hg}$$

$$P_{\text{EVA}} = P_2 = P_{\text{SAT}} \left(22^{\circ} \text{C} \right) = 3824,68 \text{ hg}$$

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ESPAISIONE 2-33 7/15 = 0,88

ESPANSIANE 2-33
$$\%_{1S} = 0,80$$

$$52 = 5,8245 \%$$

$$41 = -63.60 \%$$

-> PEN DETERWURSTE IL TITOUS X3 UTILL'AO LA NEGOIS OBUS LEVA Sheva (10°C) = (1615, 27-389,72) VJ = 1225,547 KJ

- PONTATA Semoniscs h1=330,35 Kg (dato) $m_1(h_2-h_1) = m_{ww}cp(Tin-Tow) = \hat{Q}_{EVA} = 151,2 MW$ $m_1 = m_{ww}cp(Tin-Tow) = 122,435 Vg$ $h_2 - h_1$ Pouls Circossione Acqua usre (SW) Practe, six = mcsw. APcsw + misse Drusie = 1710,5 WK POTENTA POTALE LURIANTO PTURBIAS = My (h 2-h3). Your 7EL = 5182, 11 LAKE Pearls = Mis (hs-h4) = 82,40 WKs PAETRA = Printins - Prails - Prails = 3389,18 MW $\frac{V}{VI} = \frac{V_{NEWA}}{Musiu Cp(V_{1N} - V_{0m})} = 0,0224$