Semana 6

(X)

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$$\alpha = 1,20e - 7$$

A partir de la relación de áreas
$$\rightarrow \varepsilon = \frac{As}{As} = f(\frac{s}{p_c}, Y)$$

•
$$T'(X) = 0,6524$$
 con el solver de la calculadora resolvemos:

• As $/Ag = 20$ $T'(X) = 20$

• As
$$/_{A9} = 20$$

$$\frac{\left(\frac{k^{2}}{k^{2}}\right)_{1/2}\left(\frac{k^{2}}{2^{2}}\right)_{1/2}\left(\frac{k^{2}}{k^{2}}\right)}{\left(\frac{k^{2}}{k^{2}}\right)_{1/2}\left(\frac{k^{2}}{k^{2}}\right)_{1/2}\left(\frac{k^{2}}{k^{2}}\right)_{1/2}}=\xi$$

$$C_{\epsilon, vac} = T(8) \sqrt{\frac{2r}{8-1} \left[1 - \left(\frac{P_s}{P_c}\right)^{\frac{r}{8}}\right]} + \epsilon \frac{P_s}{P_c} = \left[1,804\right]$$

$$Isp = \frac{E_{vac}}{m} = \frac{1181 \, \text{KN}}{0.5 \, \text{Vg/s}} = \frac{3620 \, \text{m/s}}{3620 \, \text{m/s}}$$

$$donde \quad \dot{m} = \frac{M_P}{t_b} = \frac{10 \, \text{Vg}}{20 \, \text{s}} = 0.5 \, \text{Vg/s}$$





$$R = 2r \cdot t_b = [0,145 \text{ m}]$$

Se modifica disero, ahora

Mismo propuls ante

f) Nuevo Evac,z

1) Nue 10
$$\xi = \frac{As}{Ag_{7}} = 26,66$$

7) Nuera
$$\frac{Ps}{Pc}$$
 \Rightarrow $\frac{P(8) = 0.6524}{\epsilon = f(\frac{Ps}{Pc}, 8)}$ \Rightarrow $\frac{Ps}{Pc} = 3.26 \times 10^{-3}$

5)
$$P_c = \left(P_P \circ c \times \frac{Ab}{Ag_2}\right)^{\frac{1}{1-n}}$$

$$P_c = \left(\frac{2M_P \circ c \times Ab}{R Ag_2}\right)^{\frac{1}{1-n}}$$

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$$Ab = \frac{M_P}{\pi R^2 L}$$

$$Ab = 2\pi R L$$

$$C \times = \frac{\text{Is}_{P_c}}{CE_c} = 2007, 2 \text{ m/s}$$

$$t_b = \frac{R}{2i} = 10,26s$$