Escritorique in Italiano

terrisis 4

$$\frac{1}{2} \qquad \lambda = 0,04 \qquad \xi = 20$$

Since it's axial

$$u = u_1 = u_2 = \frac{2\pi n}{60} \cdot \frac{Dm}{2} = 62,83 \text{ m/s}$$

BME D > 1

Since
$$P_1 = P_0 = P_{0rm}$$
, since $P = const$

Reduced by CGV.

 $R = \frac{P_1 - P_0}{p} + \frac{V_1^2 - V_1}{2} + g(3, -2)$

Hypotheris: lw=0 - Troleal Nossle

$$\Rightarrow -y_0 = \frac{v_1'}{2} + g(z_1 - z_0)$$

ycf = y + y =
$$\left(\frac{\lambda L}{D_0} + \xi\right) \frac{V_0^2}{\lambda B_0} = Nosolvalle since both

Vo ant Vi are unknown$$

Mars Balance
$$Q = \frac{\pi D_0^2}{4} V_0 = i \frac{\pi D_1^2}{4} V_1 = i \frac{\pi D_1^2}{4} \varphi_{V_1}^1$$

Complete
$$Q_{p} = \left(\frac{\lambda L}{D} + \frac{\zeta}{\zeta}\right)^{2} = \frac{8}{\pi^{2} D_{0}^{2}} \frac{e^{2} V_{0}^{2}}{16}$$

Complete $Q_{p} = \left(\frac{\lambda L}{D} + \frac{\zeta}{\zeta}\right)^{2} \cdot \left(\frac{\lambda^{2}}{D_{0}}\right)^{2} \frac{V_{0}^{2}}{2}$

At can write $Q_{p} = \left(\frac{\lambda L}{D} + \frac{\zeta}{\zeta}\right)^{2} \cdot \left(\frac{\lambda^{2}}{D_{0}}\right)^{2} \frac{V_{0}^{2}}{2} = q\left(\frac{z_{0} - z_{1}}{D_{0}}\right)^{2} \frac{V_{0}^{2}}{2}$

At $\frac{\lambda^{2}}{D} + \frac{\lambda^{2}}{D} \cdot \frac{V_{0}^{2}}{D_{0}^{2}} \frac{U_{0}^{2}}{D_{0}^{2}}$

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Wzt = Wzsn /32 = -67,16 m/s

$$V_{2,6} = W_{2,t} + u = -4,33 \text{ m/s}$$

$$\alpha_{2} = t_{am} \left(\frac{V_{2,b}}{V_{2,x}} \right) = -9^{\circ}$$

$$\left(\frac{26}{22}\right) = -9^{\circ}$$

$$\ell = u(V_{z,t} - V_{i,t}) = -8770 \frac{J}{hg} < 0$$
 Correct since bubines over machines.

$$Q = i \frac{\pi D_i^2}{4} V_i = 15,43 \text{ m/s}$$

$$Q = i \frac{\pi D_i^2}{4} V_i = 15,43 \text{ m/s}$$
 $V_i = \frac{|U|}{4} = 0,959 = 1 - \frac{\text{lw}}{9 \text{ Hm}} - \frac{V_z^2}{29 \text{ Hm}}$

where $V_i = \frac{1}{4} V_i = 15,43 \text{ m/s}$

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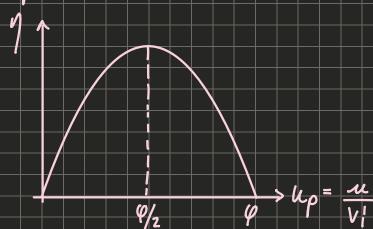
$$gH_{m} = I_{o}^{2} - I_{g} = (I_{o}^{2} - I_{o}) + (I_{o}^{2} - I_{g})$$

$$I_{i}^{2} = \frac{\rho_{i}}{\rho} + \frac{v_{i}^{2}}{2} + gZ_{i}$$

$$J_{i}^{2} = \frac{\rho_{i}}{\rho} + \frac{v_{i}^{2}}{2} + gZ_{i}$$

We can also say:
$$g H_m = \frac{V_i^2}{2}$$

We can go a chech on Hm, since Hm ≤ DZ, always.



$$up = \frac{u}{V_1^{\prime}} = 0,465 \pm \frac{\varphi}{a} = 0,5$$

$$\Rightarrow Machine is not optimized.$$

b)
$$\frac{S_{10}}{S_{10}} = 0,4$$
 $\frac{1}{S_{10}} = \frac{9}{S_{10}}$
 $\frac{1}{S_{10}} = \frac{1}{S_{10}}$
 $\frac{1}{$

c) $N_c: \eta_c = \eta_a$ in the condition of (b) $l_p, a = l_p, c \rightarrow once the machine is fixed, the lop is the thing of elependran.

<math>\frac{V_{lo}}{U_{lo}} = \frac{V_{lc}}{U_{lo}} \Rightarrow u_c = \frac{V_{lc}}{V_{l.}} = \frac{V_{lc}}{V_{l.}} = \frac{V_{lc}}{V_{lo}} = \frac{V_{lc}}{V$