GROSS ITTERES IMMANOID

Voto ADAMS: 4 consignits well'enne 2018/2020\_

ESERCIHOZ

$$w = 8 - 7 \ \epsilon_{1} = 22 + 2 \cdot 8 = 38$$

$$\epsilon_{2} = 20 + 8 = 28$$

$$\epsilon_{3} = 26 - 8 = 18$$

$$\epsilon_{3} = 26 - 8 = 28$$

Formula d'Willis pu rolismi apricidoidal: 
$$T_0 = \frac{W_3 - W_p}{W_1 - W_p} = \frac{W_3}{W_1} = \frac{2\lambda}{23}$$
, allowards  $T_0 = -\frac{2\lambda}{23} = -\frac{38}{34} = -0.40$ ;  $T_0' = -\frac{2\lambda'}{23} = -\frac{44}{80} = -0.55$ ;  $T_0' = -\frac{2\lambda''}{23} = -\frac{50}{32} = -0.54$ )

Dolla l'euro vale de l'euro

Dolla f. que vale che | wp=w,'
\was '= w,"
\wp'= wp"

Ationeralo I, si ha  $w_p = w_A$ , allore de  $\overline{t_0} = \frac{w_3 - w_p}{w_4 - w_p}$   $(w_4 - w_p)_{\overline{t_0}} = \frac{w_3 - w_p}{w_4 - w_p}$  deve ever  $w_3 = w_p (= w_A)$ .

Azienendo  $\overline{L}_2$  z'he  $w_3' = w_1'$ , ellene de  $\overline{L}_3' = w_3' - w_p'$   $(w_1' - w_p')_{\overline{L}_3'} = w_3' - w_p'$  deve enere  $w_3' = w_1' = w_p' (= w_p'' = w_p)$ .

Azionalo FA si ha wi=0 dlana da io=wz-wp -wpio=wz-wp

Quinali, arionalo Iza Iz, 7= 20 = wp' - wp

wp (1-10)=wz

Quindi, exionando I, e Iz,  $\gamma = \Omega u = wp' = wp = 1$  over prese dirette.

Noto de Iz
e delle figure

Quind, et evends FA etc. 2: he | w3 = wp (1-ro) ] del frens A

T = \( \int \cdot \cd

/τ<sub>α</sub>' = ω<sub>3</sub>' - ω<sub>p</sub>' = ω<sub>3</sub>' - Ωυ -> ω<sub>p</sub> τ<sub>ο</sub>' - Ωυ τ<sub>ο</sub>' = ω<sub>3</sub>' - Ωυ -> ω<sub>p</sub> τ<sub>ο</sub>' + Ωυ (1-τ<sub>ο</sub>') = ω<sub>3</sub>'

\( \begin{aligned} \left( \frac{\De}{1-70} \right) & \frac{\De}{1-70} \righ

Ωυ (το4-1) = Ωε το + Ωυ (1-το) -> Ωυ [το4-1 - 1+το] = Ωε το ->

 $\frac{500}{10} = \frac{10}{1-70}$   $= \frac{-0.75}{1+0.4}$  = T = -0.30 Petro mercie

tow 0 2 0.086. 159,2 = 0,0735

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GIOVANNI BUSETTI 880887
 Salte del fremo: della legge d'moto: - Cg - Crs, o = Jiois, o . Wm
                                                          W_{m} = -\left(\frac{C_{f} + C_{r_{3,0}}}{J_{75,0}}\right) \text{ oleve even} < 3
si adopena Cro pu veificen la condicien (con Cro, winco rempre infrende).
(g) | Crol = 63,3 Nm. Dolla scelle del molon 2 ha Cmn=65Nm, 2 sceplie
Durantelafonate, ) wms = - (Cf+CRS) = -65+51,2 = -1106/52
                       \frac{1}{1000} = -\frac{(9 + 00)}{3000} = -\frac{65 - 433}{0.086} = -\frac{226}{5^2}
Rella chemotica, \dot{w} = \frac{\alpha}{\tau} done le decelement vele
) efs = ws.7 = -1206.0,0012 = -1,3m/s2
                                                                     ] -> entrembé ecq = 8,81 m/s²
Jefo=wo.7 = -226.0,0012 = -0,27 m/s2
                                                                        Clone la fune rimone ters
dramte le frencte
Dolla cinematica, octiventestado = totaletada v_0 = v_0 equine v_1 + v_2 v_1 = v_1 + v_2 v_2 = v_1 + v_2 v_3 = v_1 + v_2 v_4 = v_1 + v_2 v_4 = v_1 + v_2 v_5 = v_1 + v_2
                                                                              V= et + vo
 Tempo d' frende: O(t) = a · tf + VR => + fz, D = - VRS, D

april
                                                                                         t/s = - 8,82.107
Species d'frenche. ×(+) = at3+vp.tf
                               = \frac{\alpha \cdot \sqrt{\varrho^2}}{2\alpha \int^2} + \sqrt{\varrho} \left( \frac{\sqrt{\varrho}}{\alpha f} \right) = \frac{\sqrt{\varrho^2}}{2\alpha f} - \frac{\sqrt{\varrho^2}}{\alpha f} = -\frac{\sqrt{\varrho^2}}{2\alpha f}
                       \times(+) fs = -\frac{Ves^2}{20fs} \approx 0 \text{ m} \left(6.10^{-1} \text{ m}\right)
                     ) x(+) po = - vro2 = 0 m
                                                          (4.10 m)
Free owioments: 2=250 en/4
                          Emor = 20 Cnow-Crs, D. Jm = Jemor = = 353, 16 > 6 verifical

an 20 = 12:
                        Con 20 = 1247 on/h
 Chandle = JCg. wg de = JCf. vfrue dt = Cf. xf = Of Chandle 2: Cfs. xfs ~ 0
 Con u = Wf. u. frente tua due regisharier succurire = Sr. u

pen la rostituzione = Sunap. u
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Con quelidati, "u -> 100

## GIOVANNI BUSTTI 880887

Acceleration demande la pentense -(Cm - Cr) = 2707. iven devente la pentense, Cm = 0 e wm = 0 (supponendo No + wms, 0 =  $\frac{Cm_{5,0} - Cr_{5,0}}{27075,0} = \frac{+ Cr_{5,0}}{27075,0}$ 

$$Q = W_{M} \cdot P$$
 $\Rightarrow \begin{cases} Q \text{ perleure } S = +\frac{Cr_{S}}{3ror_{S}} \cdot 7 = \pm 0.58 \text{ m/s}^{2} \\ Q \text{ perleure } Q = -\frac{Cr_{Q}}{3ror_{Q}} \cdot 7 = -0.54 \text{ m/s}^{2} \end{cases}$