0, 1 = 0.1kg No = 0.3kg d=0.5 m 0 = 1/6 eng d(1-sing)+m, g(1-sing) = gd(1-sing)(m+m) = g0.613 = Eo $V_{2} = \frac{1}{2} \ln V_{1}^{2} + \frac{1}{2} I \omega_{-\frac{1}{2}}^{2} \ln V_{1}^{2} + \frac{1}{2 \cdot 3} u_{3} d^{4} \omega_{-\frac{1}{2}}^{2} V_{1}^{2} \left(\frac{u_{1}}{2} + \frac{u_{3}}{6} \right) V_{1} = \sqrt{\frac{6 \, \bar{E}_{0}}{3 \, u_{1} + u_{3}}} = 1.47 \frac{u_{1}}{5}$ M=2kg r=0.15 m d=0.12 m m2=0.3kg m M=0.23 Nm =1.21 $I_{\alpha} = M - f d$ $I_{\alpha} = f d$ $I_{\alpha} + I_{\alpha} = M$ $\theta_{\alpha} = \frac{1}{2} \alpha_{\alpha} t_{\alpha}^{2} \theta_{\alpha} = \frac{1}{2} \alpha_{\alpha} t_{\alpha}^{2}$ $\Delta l = Mt = I_{i}\omega_{i} + I_{i}\omega_{2} - \frac{(\theta_{i} - \theta_{i})_{i}}{2\pi i} \cdot 2\pi d \text{ m.g.m.} + M\theta_{i} = \frac{1}{2}I_{i}\omega_{i}^{2} + \frac{1}{2}I_{i}\omega_{i}^{2}$ W=2 kg V=0.5m M=14.4Na K=8Na = M2=En N=0.2 a) dL=Mir Jeal-Jenkunst Idw=M-Kw Jah = Jet I $\frac{t}{L} = \int_{K}^{L} \ln \left(M - K \omega \right) \int_{0}^{\omega} = -\frac{1}{K} \ln \left(M - K \omega \right) + \frac{1}{K} \ln M = \frac{1}{K} \ln \frac{M}{M - K \omega}$ Mer = M - KW KW = M (1-ext) lim W = M = 1.8 rad b) $m_2 D I \omega = I' \omega' \frac{m_1 v^2}{2} \omega = (\frac{m_1 v^2}{2} + \frac{m_1 v^2}{4}) \omega' \frac{m_1 v^2}{2} \omega = \frac{3}{3} \omega^2 \omega' \omega' = \frac{3}{3} \omega = 1.2 \frac{v_2 \omega}{3}$ mB m=10kg Y=0.2 M=5.88Nm na=20 xin A M = Mmg == 1.96 Nm I= mz = I == 0.2 kg m² [I α = MA - Man α = 19.6 rad Iα = Man & α = 9.8 rad PROPE I (CLARUS) (DECEMBER 40 TIMA = $\frac{1}{2}I(\omega_{A}^{2}+\omega_{B}^{2})+2\pi\sqrt{2}(N_{A}-N_{B})M_{ATT}$ 807Ma=It2(da2+a8)+47 NB Man Ann B= 807Ma-It2(a2+a8)=10 NB=10 M, V M= 8.6Nm to=6.35 t'=10.55 ω_A(t')=ω_B(t') M(toto)=0

- MA AA T ... M ω_A(t>t')=0 Is & = M-Ma IA do = Ma Wa(to) = dato wa(to) = & to) Que want Mat'= wg. - Mit' 200 W. Com ma low to TATS = WYZ+ZWYZ = ZW TAI, ZWZYWZ = ZW $M_A f'(\frac{I_A + I_S}{I_A I_S}) = \omega_{SO} - \omega_{AO}$ MA = 2mr2 to (xg-\alpha) = 2mre to (M-M) - M3 5 = 2to (5M-5M3-2M3) = to (5M-7M3)

7t' (5M-5M3-2M3) = to (5M-7M3) $M_{A} + \frac{t_{0}}{t_{1}} M_{A} = \frac{5t_{0}}{7t_{1}} M$ $M_{A} = \frac{5t_{0}}{7t_{1}} M = \frac{$ $\omega_s = 0$ $\alpha_s r_0 = \frac{M_a t}{T_s}$ $\frac{M - M_b r_0 = M_b + r_0}{T_s} + r_0 = 8.34 = r' + 4.145$ P. Tr. d. = 1979 Kg M₂ = p(πς²d₂-πγ²d₂) = 70 Kg Γ = 1μ. r² = 89 1 μ. 2 Γ - 10π 1 μ. M,= p. Tr. 2d, = 1979 Kg Mz=p(Tr. 2d2-Tr. 2d2)= 7014 Kg I,= = w.r. = 89,1 Kg m2 I2= = 87 Td2 (v.4-r.4) = 119.6 Kg m): I, α=0=M3-M, Iz α=M1-M3 TOPPER ω2=α2 to α2=1.26 mg 2): $I_2\omega_{20}=(I_1+I_2)\omega$, $\omega_1=72V_2d$ $\omega_{20}-\frac{M_2}{I_2}(t_1-t_2)=\omega$, $M_3=\frac{I_2(\omega_{20}-\omega_1)}{t_1-t_0}=128.4N_m=M$, M - M. +T. x - 270 1 N/4