OICHA PAINT A ENLANT - VIONA SCINCE RUA GIR KINOS AIPIN NOITEIN ארוסנוֹת- אוֹמס פּרמוני MIEU UIBBIY תווצם ענאוויע MOIDIN ENTRY OF ENRICY (אם יעם כיסון [?] ראם יש כיסון? MÜ+CU+KU=PoSin(Wt) :hnv9 $U(t) = U_0 \cdot Sin(\omega_t - \Phi) = U_{St,Q} \cdot Rd \cdot Sin(\omega_t - \Phi)$ MIEIN NOIDEIN MIGIN UIBRIN MIGIN UIGRIN צוא כיסון- אומס פרמוני NCIO(IA 11017 1011 $\bigoplus = +\alpha_{N}^{-1} \xrightarrow{\mathcal{J}} \underbrace{\left(\frac{\omega}{\omega_{N}}\right)^{2}}_{K}$ MONDIN ENTRY OF ENRICY MORIDIV ENGLY OF ENKICV MOIDIN ENTRE OF ENRICEN Mu+cu+ku=0 Mü+KU=O $Rd = \frac{U_0}{U_{St_1}o} = \frac{1}{\sqrt{\left(1 - \left(\frac{\omega}{\omega_0}\right)^3\right)^{\frac{3}{4}} + \left[\frac{3}{2} \frac{5}{3} (\omega/\omega_0)\right]^{\frac{3}{4}}}}$ MÜ+KU=Posin(w·t) GNUI $U(t) = \frac{P_0}{K} \cdot \frac{\sin(\omega t)}{L - (\omega/\omega n)^2}$ $U(t) = U(0) \cdot \cos(\omega_n \cdot t) + \underline{U(0)} \cdot \sin(\omega_n \cdot t)$ $U(t) = e^{-3\omega n \cdot t} \cdot \sin(\omega_0 \cdot t + \phi)$ $U_0 = \frac{P_0}{K} \cdot \sqrt{\left[1 - \left(\frac{\omega}{(U_0)}\right)^2\right]^{\frac{1}{2}} + \left[\frac{1}{2} - \frac{1}{2} \left(\frac{\omega}{(\omega)}\right)^{\frac{1}{2}}}$ $= \sqrt{\frac{\dot{u}(0)}{(u)^{n}}} + \frac{\dot{u}(0)}{(u)^{n}} + \cos(\omega_{n} \cdot t - \phi)$ $\dot{U}(t) = U_0 \cdot W \cdot \cos(\omega t - \psi) \rightarrow \dot{U}_0 = U_0 \cdot W$ $\frac{\sqrt{St_{10}} = \frac{P_0}{K}}{\sqrt{SSO}} \frac{R}{K}, \quad R_{10} = \frac{1}{\sqrt{1 - \left(\frac{C}{C}\right)^3}} = \frac{1}{\sqrt{1 - \left(\frac{C}{C}\right)^3}}$ $\bigcup_{\substack{0 < 0 \\ \text{(i)}}} P = \sqrt{\bigcup_{\substack{0 < 0 \\ \text{(i)}}} + \left(\frac{\bigcup_{\substack{0 < 0 \\ \text{(i)}}} + \bigcup_{\substack{0 < 0 \\ \text{(i)}}} \bigcup_{\substack{0 < 0 \\ \text{(i)}}} \right)^{2}}$ $\Rightarrow = + \alpha \sqrt{\frac{(10)}{(10)}}$ Uo=Rd·Ustio CHICALINA CALINA CALINA 100 = M-123, 2311 Sincy $U(t) = \rho \cdot e^{-\frac{1}{2}\omega_{k}t} \cos(\omega_{b} \cdot t - \phi)$ כתנטי התחלה נאט=ט נאט=ט Rd = 1/2 VA-331 (=> 100 = VA-332) Uo= Ustio Rd , (Sin=1) mü+Ku=Posin(wint) $\phi = +\alpha N_{1} \left(\frac{11(0) \cdot (1) \cdot 0}{11(0) \cdot (1) \cdot 0} \right)$ RV = \(\overline{\Omega}{\Omega}\). Rd $M\ddot{\Omega} + C\dot{\Omega} + K\dot{\Omega} = b^{\circ} \cdot Sin(\overline{M} + C)$ # w=1 DI NEA OR MAIRE #ראונים (תחוצה) + מצם עמו החיסוה (10) 13) . W= Wn - Higher Adel Any 3) WD = Wn: V1-30 SIGT RAIFR GURINA MATAIN את ההדמחה הדינמית ניפנה מסת, או דשיחות שב Ra = Rd (w) ausa 26. (Rumax) $\int_{\Omega} \int_{\Omega} \int_{\Omega$ (દેપવાલ Üo wax = Po Ra #כאושל יים אלינות לתתואת $U(t) = U_{St} \cdot 0 \cdot \frac{1}{3} \cdot \left(e^{-\omega_{N}} \right)^{t} \cdot 1$ $\omega \cdot \omega_{N}$ $\omega \cdot \omega_{N}$ $\omega \cdot \omega_{N}$ פענשני שו ענינ נחלם. # כוניצה וטין מהמת התחמית ההצבה הערם השן Gazza GANDUN. uo-Ra·Usto # \$ Hir Est antly 50 DIV larger all פמנסמום על נכמח נמאלר (uio) Jay 20 vs anyca U(0) U(0) $\beta(\frac{\omega}{\omega})$

HOGDIIA CHIA (MODINIA PO RNEGIA)

$$\int_{N} = \frac{\partial \Gamma}{\partial n} \left[\frac{\partial C}{\partial n} \right] = \frac{\partial \Gamma}{\partial n}$$

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$$\mathcal{O}_{N} = \sqrt{\frac{K}{M}} = \frac{1}{M} \int_{N} \left[\frac{\text{rad}}{\text{Sec}} \right] ^{N} N^{1/3} N$$

$$C = NOID NOID ST TOUT ROUGH TOUR NOID TOUT $\frac{N \cdot Sec}{M}$$$

$$Acfa (cioi) (ccio) (ccio) (ccio) (coi) ($$

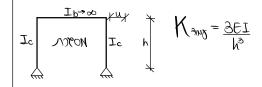
$$\frac{1}{2} = \frac{C}{C} = \frac{C}$$

$$T_{R} = \frac{f_{to}}{P_{o}} = \frac{U_{o}^{T}}{U_{go}} = \frac{\ddot{U}_{o}^{T}}{\ddot{U}_{go}} = \sqrt{\frac{1+(\frac{1}{2})^{3}}{(1-\beta^{3})^{3}+(\frac{1}{2})^{3}}}$$

$$D'3N2N3OJ2C P3JN$$

NINOUT

$$I_{c} \qquad \bigwedge_{\substack{N \in N \\ N \in N \text{ on } N \text{ on } N \in N \text{ on } N \text{ on }$$



$$K_1$$
 K_2 \Rightarrow $K_{eq} = K_1 + K_2$

תימונ רשיחויות ממנמין-נוספת אלא אלשוני אשל אלגל אליפיטוען

$$\mathsf{Keg} = \frac{\mathsf{K}_1 \cdot \mathsf{K}_2}{\mathsf{K}_1 + \mathsf{K}_2}$$

$$f\left(rpm\right) = \frac{\omega\left(\frac{raa}{sec}\right) \cdot 60}{2\pi}$$

$$\omega\left(\frac{rad}{sec}\right) = \frac{2\pi \cdot f(rpm)}{60}$$

$$u_h(t) = e^{-\xi \omega_n t} \left(u_0 \cos \omega_d t + \frac{\left(\dot{\mathbf{u}}_0 + \xi \omega_n u_0 \right)}{\omega_d} \sin \omega_d t \right)$$

$$\omega\left(\frac{rad}{sec}\right) = \frac{2\pi \cdot f(rpm)}{60}$$

$$u_h(t) = e^{-\xi \omega_n t} \left(u_0 \cos \omega_d t + \frac{\left(\dot{\mathbf{u}}_0 + \xi \omega_n u_0 \right)}{\omega_d} \sin \omega_d t \right)$$

THOOK TORKE

$$O(t) = \frac{V}{r}$$

$$\dot{o}(t) = \frac{\dot{u}(t)}{r}$$

$$O(t) = \frac{U(t)}{r}$$

$U_{\downarrow}^{t}(t) = U_{g}(t) + U_{f}(t)$ (1820 1820 (1829) (1821) (1831) (1831) Müt(t)+C illt)+Ku(t)=0 $M\ddot{U}(t)+C\dot{U}(t)+K\dot{U}(t)=-M\ddot{U}_{x}$

CIUTAL SE AZIZA TOTA:

Uzic 76 X ILEIA 17=X

MOIIDIN WILK (10,01101V (משופות שיע מוענטים)

$$I \bigcirc (t) + C_{\theta} \bigcirc (t) + K_{\theta} \bigcirc (t) = M(t)$$

$$V \downarrow \qquad \qquad V \downarrow \qquad \qquad$$

and of now
$$V_{\rm eff}$$
 (and of now point $V_{\rm eff}$ = $V_{\rm eff}$

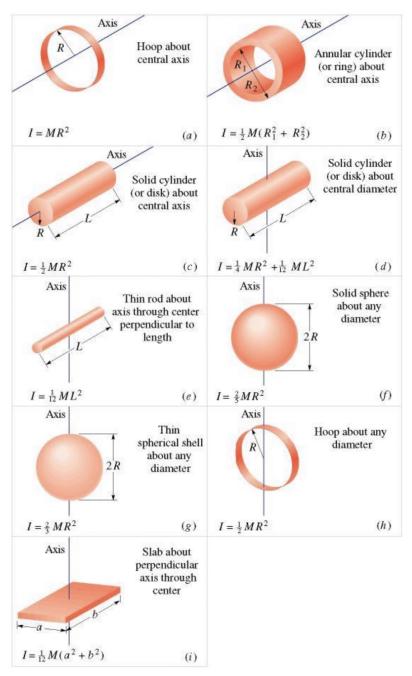
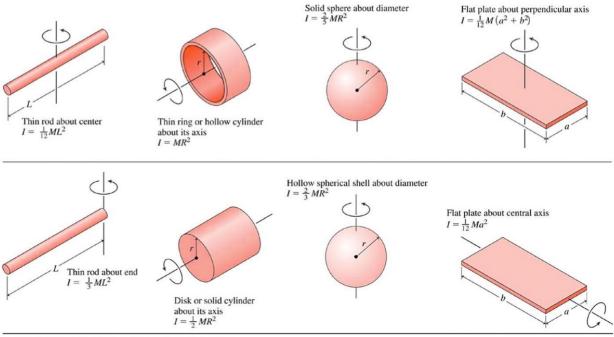


TABLE 10.2 Rotational Inertias



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