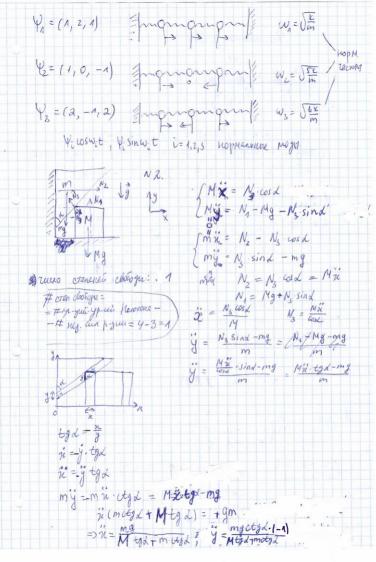
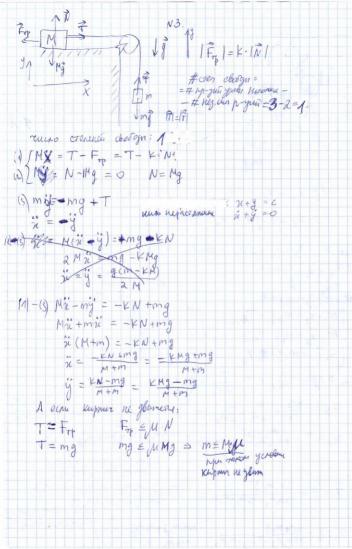
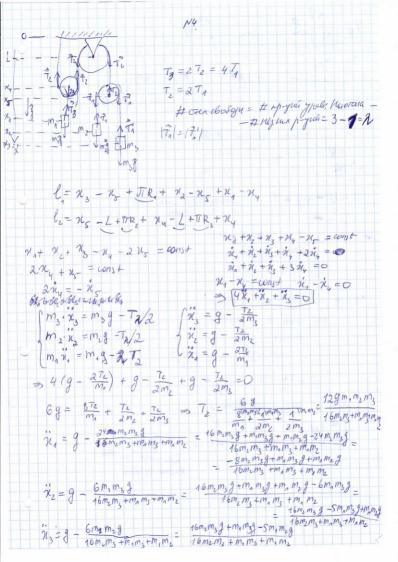
Mersnerscha Dans Danaeures pasoma K2 = K3 = 2K K = Ky = 3 K (mi = - Kin - Kz (N-y) = x (-K1 - K2) + y. K2 2my = K2 (x-y) - K3 (y-2) = x. K2 + y. (-K2-K3) + 2. K3 (m= = K3 (y-+) - Ky = y. K3 + 2. (- K3-K4) $A = \frac{1}{m} \begin{pmatrix} 5k & -2k & 0 \\ -k & 2k & -k \\ 0 & -2k & 5k \end{pmatrix} = \frac{k}{m} \begin{pmatrix} 5 & -2 & 0 \\ -1 & 2 & -1 \\ 0 & -2 & 5k \end{pmatrix}$ 5K 6K , W2 = K, W2 = 5K, W3 = 6K =) cools junz A: Km, A-InF: $\begin{pmatrix} -\frac{k}{m} & \frac{k}{m} & -\frac{k}{m} \\ 0 & -\frac{2k}{m} & \frac{4k}{m} \end{pmatrix} = \frac{k}{m} \begin{pmatrix} 4 & -2 & 0 \\ -1 & 1 & -1 \\ 0 & -2 & 4 \end{pmatrix}$ cooch berry, (2,2,1) 2 Must reget up (4 -2 0) $\frac{k}{m} \begin{pmatrix} 0 & -2 & 0 \\ -1 & -3 & -1 \\ 0 & -d & 0 \end{pmatrix}$ A- ZE. (0 -2 0) cosch benop: (1, 0, -1) A-1, E: \(\frac{\pi}{m} \big(\bigcup_{-1} \bigcup_{-2} \bigcup_{-1} \\
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N5. # General closogn = # up-jul ypolis Kewi -- # nez cun p-zein = 2-1=1 M, H, = M, g - T, M, H, = m, g - T, T1=2 T3 T.K payon 2 u 27, P T3 = 2T, =) T1= 4T, Путь наприка повернулам по гасовой сорение но учел в 1 = 2 ~ C sla= 24 $\begin{cases} 2x_1 + y_1 = const & \begin{cases} 2x_1 + y_1 = 0 \end{cases} & \begin{cases} y_1 = -2x_1 \\ x_2 - 2y_1 = const \end{cases} & \begin{cases} x_1 - 2y_1 = 0 \end{cases} & \begin{cases} y_1 = -2x_1 \\ y_2 = 0 \end{cases} & \end{cases}$ $-2 \frac{n_{1}}{2} = \frac{n_{2}}{n_{1}} + 4 \frac{n_{1}}{n_{2}} = 0$ n, = -4n, => (-4/2) = m2g - Ta/4 1 m, 2, = m, g - T1 1-16m2 2, = 4m2g - TA - 16 m 21, -m, i, = g 14m, -m, $\frac{1}{12} = \frac{9(4m_2 - m_A)}{12} = \frac{9(m_1 - 4m_Z)}{12}$ $\frac{1}{12} = \frac{9(4m_2 - m_A)}{12} = \frac{9(m_1 - 4m_Z)}{12}$ $n_2 = \frac{-4g(m_1 - 4m_2)}{m_1 + 16m_2}$

7= 1x2+y2+22 tg6 = 1x2+y2 tg4= 2 Sin & Gosy 6050 WH -sing Class (Pr, Po, eq) = (Ex, ey, Ex) sind sing Cospsinp 6054 -Sin 0 0 e = (ex sino cosq teg sino sing + ez cos +) = = 2, cos 0.0. cos + 2, sin 0 (-sing). 4 + e, co. 0.0. sing + + 2y · sin 0 · cos q · q + 2, (- gin 0) · 0 = = 6 (2x · sin 0 · cos q + 2y · cos o sin q - 2x · sin 0) + + 4 Fex sind sing + eg sind (a) 4)= = O. Po + G. Egisin O en = (ex coso cosy + ex coso sing - ex sin 0) = = Ex. (-sin 0). 0.654 + Ex. 600. (-sing). 4+ + eg. (-sin 0). O sing + eg. (0) 0 - cosq · 6 - ez. (0) 0. 0 = = 0 (- exisin 0. cosq . eg sind sing - ez cos 0) + + 4 Fex (000 sing + By (000 (014) = = 0. (-en) + 4. (\$6050). Eq = -0. Ez +4. 650 Eq = (-2x sinp + 2y cos q) = - 2x sos y · q = 2y sinq · q = = \$ - \$ (\varepsilon \cdot \cos \varphi + \varepsilon \varphi \sin \varphi + \varphi \varphi \sin \varphi \va = - 4 (ex cosp. sino + ex sin20 sinp+ ez coso sin 0+ + Ex. cost 0 cosq + ey cos 0 sing - ez sino coso) = - 4. (ez. sin 0+ e. 6050) = 2. er+ 2. 0 eo+ 26. sin 0. ex

2 = (2. 0, +2. 0. 0 +2. 4. sin 0 0) = = 2. 2, + 2. 6, + 2. 0. 20 + 2. 0. 20 + 2. 0 20 + + 2. 4. sin O. 20 + 2. 4. sin O. 20 + 24. 600 O. O. 20 + 2. 4110 O. 20 = = 12 · 12 + 2 (& 20 + 4. sin 0 20) + 2. 6. 60 + 2 6. 10 + 4. coo 20)+ + 2. 4. sin D. 2 + 2. 4 Sin O. 2 + + 2000 0. 6. 2 + + r. p. sin O (- p) (= sin O + e ~ cos 0) = $= \vec{\ell}_z \left(\vec{z} - z \cdot (\vec{\theta})^2 - \vec{r} \cdot (\vec{\varphi}^2 \sin \theta) + \vec{\ell}_{\theta} \vec{Q} \vec{z} \cdot \vec{\theta} + \vec{z} \cdot \vec{\theta} - \vec{z} \cdot (\vec{\varphi}^2 \sin \theta \cdot \omega \theta) \right)$ + ê (2.4.5100 +2.0.6.600 +2.4.5000 +245.000)= = e, (; - z. 62 - z. 62. sin20)+ e, gi. 0+z. 0 - z. 62 sin 0. 4050)+ + @ Police sin0 + 220.600 + 2.4. sin0) Ha R3 So ou Z repend & copepweenun Koopginever neumynaper Т.К. перехоз к едерическим косруматам называеть нештуториния le roike, ye suotuan zamenn Koopzunes osunen or o