

$$\frac{10v_0}{6} \cdot \frac{1}{2} \cdot \frac{2k}{m} \cdot t_0^2 + \frac{k v_0}{3m} t_0^3 \quad t_0 \sqrt{\quad}$$

$$\left(t_{0B} = \frac{k v_0}{3m} t_0^3 = \mu m g \cdot \mu^2 \cdot \frac{m g^2}{6 k v_0^2} \right)$$

$$= \mu m g \cdot \mu^2 \cdot \left(\frac{3 k v_0^2}{m g} \right)^{-1}$$

↓
= 1/2, 2/3, 1/3, 1/3, 1/3, 1/3

→ "wrong" r

$$\begin{aligned} & \mu_0 \\ & \rightarrow \sin(\alpha) \rightarrow \alpha \\ & \rightarrow \cos(\alpha) \rightarrow 1 \end{aligned}$$

●
[2.1]

$$\rightarrow \left[+1 - \frac{q_A}{e} \cdot \frac{1}{e} + \left(-1 + \frac{q_A}{e} \right)^3 \frac{1}{e} \right]$$

↓
 $\frac{1}{e} > 1/18!!$

→ $\frac{3q_A}{e}$

$$m \ddot{q}_1 = -A q_1$$

$$D = P^{-1} A P$$

diagonalised

$$q_1' = P^{-1} q_1$$

$$m \ddot{q}_1' = -D q_1'$$

$$= \begin{bmatrix} \ominus & 0 \\ 0 & \ominus \end{bmatrix} q_1'$$

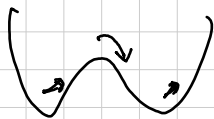
$$q_1' = -\ominus q_1'$$

$$(X_3 E - A) = 0$$

$$(g_A, g_B, g_C)$$

$$g_A = g_B = g_C = 1 : -2 : 1$$

$$A/B = k_0 / g_{30}$$



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