Zapažanja:

lared iaraza (5.1.)
$$w_0 = \sqrt{\frac{k}{11 + \frac{m}{3}}}$$

$$d = \frac{d m}{2} \cdot \sqrt{x} \cdot \sqrt{x} = \frac{m}{m} \cdot \dot{x}$$

$$= \frac{d m}{2} \cdot \left(\frac{m}{m} \cdot \dot{x}\right)^2$$

$$= \frac{\dot{x}^2}{2m^2} \cdot m^2 \cdot dm$$

$$K' = \int dk'$$

$$= \frac{x}{2m^2} \cdot \int_0^m m^{12} dm'$$

$$= \frac{m \cdot x^2}{6}$$

$$E = K + K' + U$$

$$= \frac{M \cdot \dot{x}^{2}}{2} + \frac{m \cdot \dot{x}^{2}}{6} + \frac{k x^{2}}{2}$$

$$= \frac{1}{2} \cdot \left(M + \frac{m}{3}\right) \cdot \dot{x}^{2} + \frac{k x^{2}}{2}$$

$$\ddot{X} + \omega_0^2 \cdot \dot{X} = 0$$

$$\omega_0^2 = \frac{k}{M + \frac{m}{3}}$$

$$f_0 = \frac{1}{T}$$

$$2\pi f_0 = \sqrt{\frac{k}{m + \frac{n}{3}}}$$

$$k = 4 \cdot \pi^{2} \cdot f_{0}^{0} \cdot \left(1 + \frac{3}{m} \right)$$

$$f_{0+1} = f_0 + \frac{f_0}{100} = H_2 A = H_2 A$$

mm

mm

mm

mm

mm

mm

$$\Delta f_{\rho} = \sqrt{3} \cdot \frac{f_{re2}}{Q}$$

$$Q = \sqrt{3} \cdot \frac{f_{re2}}{\Delta f_{\rho}}$$

$$k = 4\pi^2 f^2 \cdot (11 + \frac{m}{3})$$

$$Q = \sqrt{3} \cdot \frac{f_{re2}}{\Delta f_p}$$

 $H_{\lambda} A = mm$

 $H \cdot A = mm$

A = mn

 H_{1} A =

 $H_{\lambda} =$

 $H_{\lambda} =$

mm

$$\omega_0 = 2\pi f = \sqrt{\frac{k}{M + \frac{m}{3}}}$$

$$=\frac{k_{12}}{2 \cdot m_1} \cdot \left(1 + K + \mu + \sqrt{\Delta}\right)$$

$$\left(\frac{\hat{A}_{2}}{\hat{A}_{1}}\right)_{A,B} = \frac{1+K-\mu^{\pm}\sqrt{\Delta}}{2}$$

$$K = \frac{k_{01}}{k_{11}}$$

$$\mu = \frac{m_1}{m_2}$$

$$\Delta = (1 + K - \mu)^2 + 4 \mu$$

$$m_1 - > m_1 = m_1 + \frac{m_{01}}{3} + \frac{m_{12}}{3}$$

$$m_2 -> m_2 = m_2 + \frac{m_{12}}{3}$$

$$f = 2\pi \cdot \sqrt{\frac{k_{12}}{2 \cdot m_{1}}} \cdot (1 + K + \mu + \sqrt{\Delta})$$

$$=2\pi\sqrt{\frac{k_{12}}{2\cdot m_{1}}\left(1+\frac{k_{01}}{k_{12}}+\frac{m_{1}}{m_{2}}\mp\sqrt{\left(1+\frac{k_{01}}{k_{01}}-\frac{m_{1}}{m_{2}}\right)^{2}+4\cdot\frac{m_{1}}{m_{2}}}\right)}$$