

$$m \ddot{u} + K u = 0$$

Titolo nota

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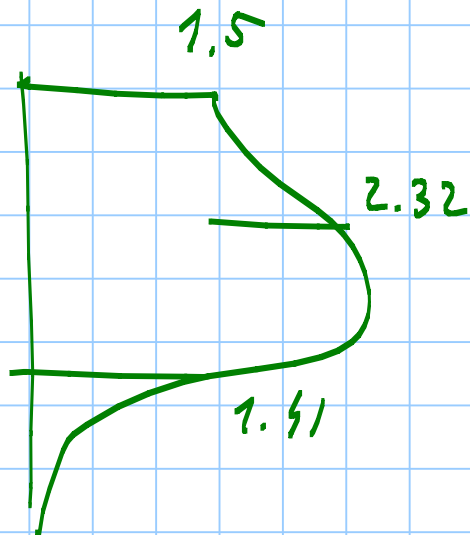
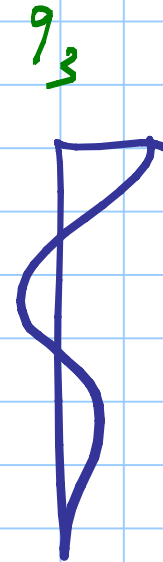
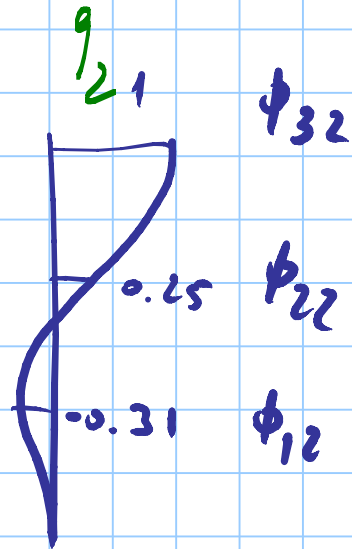
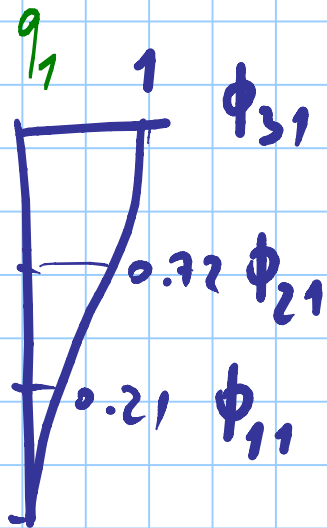
$$\begin{bmatrix} m_1 & 0 & 0 \\ 0 & m_2 & 0 \\ 0 & 0 & m_3 \end{bmatrix} \begin{bmatrix} \ddot{u}_1 \\ \ddot{u}_2 \\ \ddot{u}_3 \end{bmatrix} + \begin{bmatrix} K_{11} & K_{12} & K_{13} \\ K_{21} & K_{22} & K_{23} \\ K_{31} & K_{32} & K_{33} \end{bmatrix} \begin{bmatrix} u_1 \\ u_2 \\ u_3 \end{bmatrix} = 0$$

$$-m_1 \omega^2 \phi_{1j} \cancel{\cos \omega_j t} + K_{11} \phi_{1j} \cancel{\cos \omega_j t} + K_{12} \phi_{2j} \cancel{\cos \omega_j t} + K_{13} \phi_{3j} \cancel{\cos \omega_j t} = 0$$

$$m_1 \ddot{u}_1 + K_{11} u_1 + K_{12} u_2 + K_{13} u_3 = 0$$

$$m_2 \ddot{u}_2 + K_{21} u_1 + K_{22} u_2 + K_{23} u_3 = 0$$

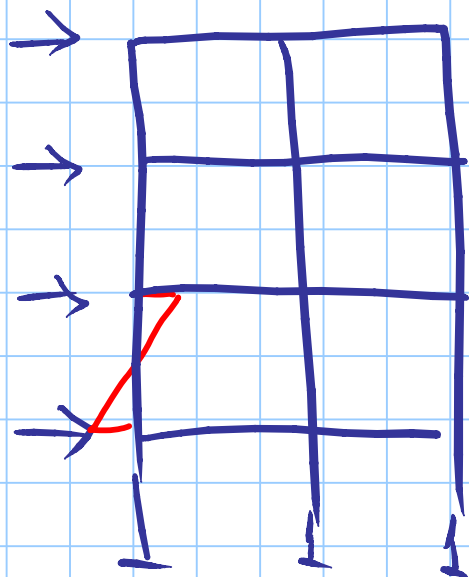
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$$1.5 = \eta_1 \cdot \phi_{31} + \eta_2 \cdot \phi_{32} + \eta_3 \cdot \phi_{33}$$

$$2.32 =$$

$$1.41 =$$



No

