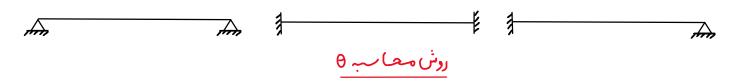
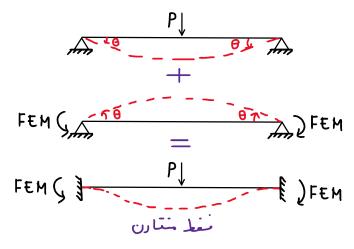
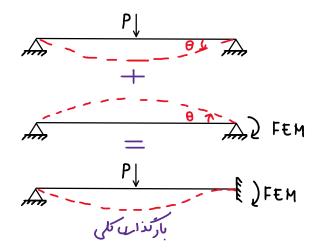
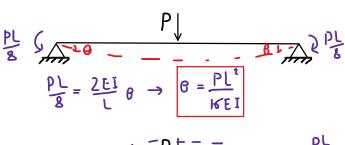
Sunday, May 12, 2024 8:58

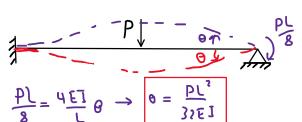
معاسب تعنیر شکل θو ۵ در نیمای متدارل

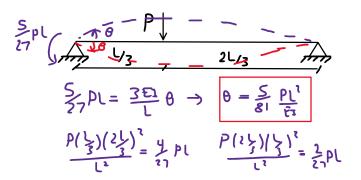


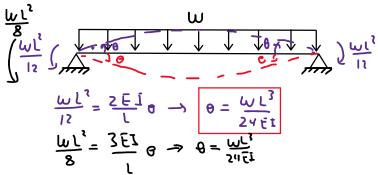




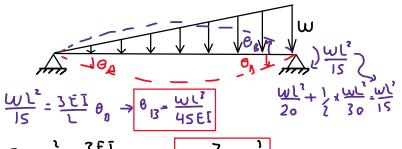


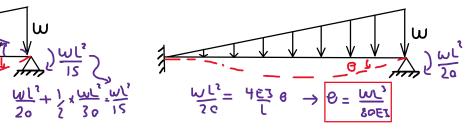




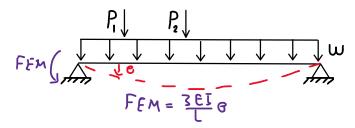


$$\frac{\omega}{\omega L^{2}} = \frac{4EI}{L}\Theta \rightarrow \Theta = \frac{\omega L^{2}}{48EI}$$





$$\frac{150}{200} \zeta_{1} = \frac{1}{361} \theta^{4} \rightarrow \frac{8^{4} = \frac{1}{200} \pi \zeta_{1}}{800}$$

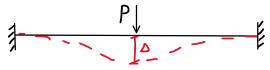


معاسم

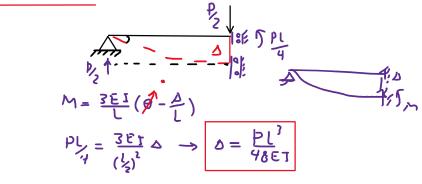
P

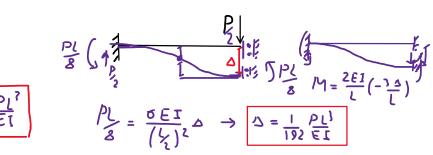
$$\nabla = \frac{3EI}{\left(\frac{1}{5}\right)\left(\frac{1}{5}\right)} = \frac{A8EJ}{D\Gamma_3}$$

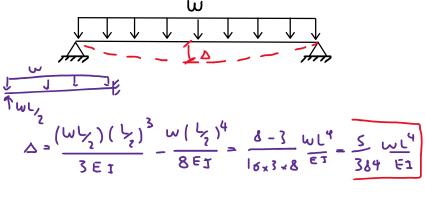
$$\theta = \frac{P_{\zeta}(\zeta)}{P_{\zeta}(\zeta)} = \frac{P_{\zeta}}{P_{\zeta}}$$



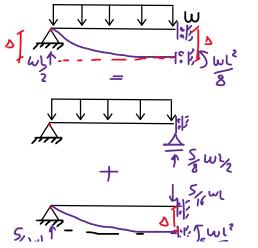
$$3 \frac{1}{\sqrt{4}} \Delta = 2 \times \frac{P_2 (\frac{1}{2} \sqrt{1})^3}{3 \text{ EI}} - \frac{1}{192 \text{ EI}}$$





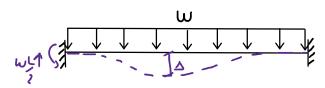


$$\frac{5 \omega L^2}{32} = \frac{3EI}{(\frac{1}{2})^2} \Delta \rightarrow \Delta = \frac{5}{384} \frac{\omega L^4}{EI}$$



$$\frac{5 \omega L^{2}}{32} = \frac{3 E I}{(\frac{1}{2})^{2}} \Delta \rightarrow \Delta = \frac{5}{284} \frac{\omega L^{4}}{E I}$$





$$\Delta = \frac{\omega(\frac{1}{2})^{\frac{1}{2}}}{8iI} - \frac{\omega^{\frac{1}{2}}}{2}$$

$$\Delta = \frac{\omega(\frac{1}{2})^{\frac{1}{2}}}{8i} - \frac{\omega(\frac{1}{2})^{\frac{1}{2}}}{2i} = \frac{1}{16x8} - \frac{1}{8x24} = \frac{1}{16x8}$$

$$\frac{3-2}{16\times24}$$

$$\frac{\omega \ell}{4} = \frac{12 \, \mathcal{E} \, \mathcal{I}}{(\ell_{\mathcal{S}})^3} \, \Delta \quad \Rightarrow \quad \Delta = \frac{1}{384} \, \frac{\omega \ell^4}{\mathcal{E} \mathcal{I}}$$

$$\frac{\omega^2}{\sqrt{2}} = \frac{6EI}{(\frac{1}{2})^2} \Rightarrow \Rightarrow \Delta = \frac{1}{384} \frac{\omega^2}{EI}$$

