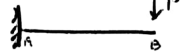
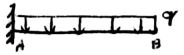
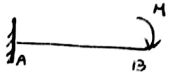


$\Delta_B = \frac{PL^3}{3IE}$ $\theta_B = \frac{PL^2}{2IE}$

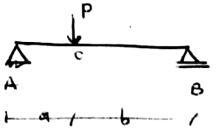
مرجع‌ها در روابط بهم تغییر شکل‌های ایجاد می



$\Delta_B = \frac{qL^4}{8IE}$ $\theta_B = \frac{qL^3}{6IE}$

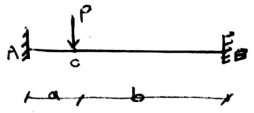


$\Delta_B = \frac{ML^2}{2IE}$ $\theta_B = \frac{ML}{IE}$



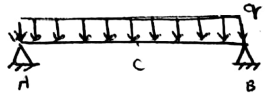
$\Delta_C = \frac{Pa^2b^2}{3IEL}$ $\theta_A = \frac{Pab(L+b)}{6IEL}$ $\theta_B = \frac{Pab(L+a)}{6IEL}$

$a=b$ $\Delta = \frac{PL^3}{48IE}$ $\theta_A = \theta_B = \frac{PL^2}{16IE}$

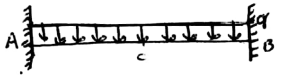


$\Delta_C = \frac{Pa^3b^3}{3IEL^3}$ $M_A = \frac{Pab^2}{L^2}$ $M_B = \frac{Pba^2}{L^2}$ $M_C = \frac{2Pa^2b^2}{L^3}$

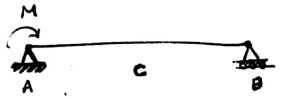
وقتی $a=b=\frac{L}{2}$ $\Delta_C = \frac{PL^3}{192IE}$ $M_A = M_B = M_C = \frac{PL}{8}$



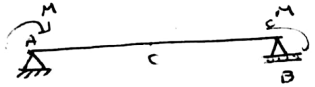
$\Delta_C = \frac{5qL^4}{384IE}$ $\theta_A = \theta_B = \frac{qL^3}{24IE}$



$\Delta_C = \frac{qL^4}{384IE}$ $M_A = M_B = \frac{qL^2}{12}$ $M_C = \frac{qL^2}{24}$



$\Delta_C = \frac{ML^2}{16IE}$ $\theta_A = \frac{ML}{3IE}$ $\theta_B = \frac{ML}{6IE}$

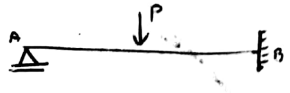


$\Delta_C = \frac{ML^2}{8IE}$ $\theta_A = \theta_B = \frac{ML}{2IE}$

$\Delta_C = 0$ $\theta_A = \theta_B = \frac{ML}{6IE}$

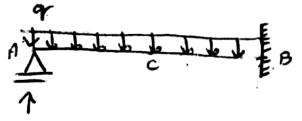
$\theta_A = \frac{ML}{4IE}$ $M_B = \frac{M}{2}$ M_1 ثابت

$\theta_A = \frac{ML}{IE}$ $\Delta_B = \frac{ML^2}{2IE}$



$R_B = \frac{11P}{16}$ $\theta_A = \frac{PL^2}{32IE}$ $M_B = \frac{3PL}{16}$

$R_A = \frac{5P}{16}$



$R_A = \frac{3qL}{8}$ $M_B = \frac{qL^2}{8}$,

$R_B = \frac{5qL}{8}$ $\theta_A = \frac{qL^3}{48IE}$