

Cas de charges simples en flexion

Cas de charges	Flèches	Rotations	Cas de charges	Flèches	Rotations
	$\frac{PL^3}{48EI}$	$\theta_A = -\frac{PL^2}{16EI}$ $\theta_B = +\frac{PL^2}{16EI}$		$f_B = -\frac{PL^3}{3EI}$	$\theta_B = +\frac{PL^2}{2EI}$
	$f_{l/2} = \frac{-Pb}{48EI}(3L^2 - 4b^2)$ $f_a = \frac{-Pa^2b^2}{3EI}$ $f_{\max} = \frac{-Pb}{27EI}\sqrt{3(L^2 - b^2)^3}$	$\theta_A = \frac{Pb}{6EIL}(b^2 - L^2)$ $\theta_B = \frac{Pa}{6EIL}(L^2 - a^2)$		$f_B = -\frac{Pb^3}{3EI}$ $f_C = -\frac{Pb^2}{6EI}(2L + a)$	$\theta_B = \theta_C = +\frac{Pb^2}{2EI}$
	$f_{L/2} = -\frac{ML^2}{16EI}$ $f_{\max i} = -\frac{ML^2}{15.58EI}$	$\theta_A = -\frac{ML}{3EI}$ $\theta_B = +\frac{ML}{6EI}$		$f_B = -\frac{qL^4}{8EI}$	$\theta_B = +\frac{qL^3}{6EI}$
	$\frac{5qL^4}{384EI}$	$\theta_A = -\frac{qL^3}{24EI}$ $\theta_B = +\frac{qL^3}{24EI}$		$f_B = -\frac{ML^2}{2EI}$	$\theta_B = \frac{ML}{EI}$