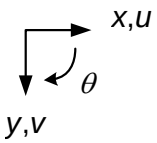

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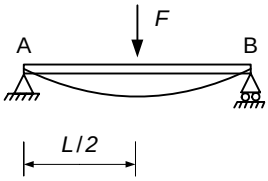
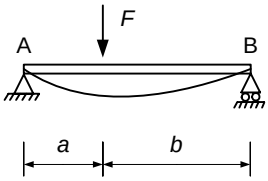
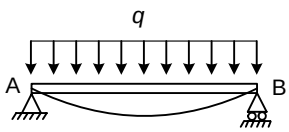


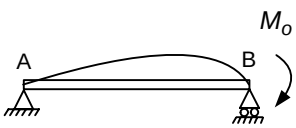
$$v(x) = \frac{Fx}{48EI}(3L^2 - 4x^2) \quad 0 \le x \le L/2 \qquad v(L/2) = \frac{FL^3}{48EI} \qquad \theta_A = \frac{FL^2}{16EI}$$



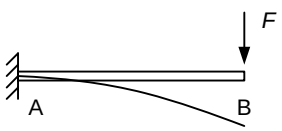
$$v(x) = \frac{Fbx}{6LEI}(L^2 - b^2 - x^2) \quad 0 \le x \le a \qquad \theta_A = \frac{Fab(L+b)}{6LEI} \qquad \theta_B = -\frac{Fab(L+a)}{6LEI}$$



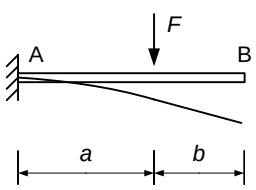
$$v(x) = \frac{qx}{24EI}(L^3 - 2Lx^2 + x^3) \qquad v(L/2) = \frac{5qL^4}{384EI} \qquad \theta_A = \frac{qL^3}{24EI}$$



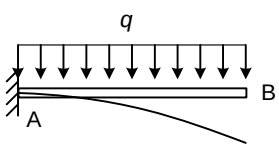
$$v(x) = -\frac{M_o L}{6EI}\left(x - \frac{x^3}{L^2}\right) \qquad \theta_A = -\frac{M_o L}{6EI} \qquad \theta_B = \frac{M_o L}{3EI}$$



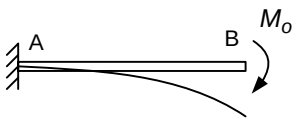
$$v(x) = \frac{Fx^2}{6EI}(3L - x) \qquad v_B = \frac{FL^3}{3EI} \qquad \theta_B = \frac{FL^2}{2EI}$$



$$v(x) = \frac{Fx^2}{6EI}(3a - x) \quad 0 \le x \le a \qquad v(x) = \frac{Fa^2}{6EI}(3x - a) \quad a \le x \le L \qquad \theta_B = \frac{Fa^2}{2EI}$$



$$v(x) = \frac{qx^2}{24EI}(6L^2 - 4Lx + x^2) \qquad v_B = \frac{qL^4}{8EI} \qquad \theta_B = \frac{qL^3}{6EI}$$



$$v(x) = \frac{M_o x^2}{2EI} \qquad \theta_B = \frac{M_o L}{EI}$$