



$$\alpha = \frac{a}{l}, \quad \beta = \frac{b}{l}, \quad \xi = \frac{x}{l}$$

$$EIw'_A = \frac{Fl^2}{6}(-\beta^3 + \beta)$$

$$EIw'_B = \frac{Fl^2}{6}(\alpha^3 - \alpha)$$

$$EIw(x) = \begin{cases} \frac{Fl^3}{6}[\beta\xi(-\xi^2 - \beta^2 + 1)] & \text{für } x \leq a \\ \frac{Fl^3}{6}[\beta\xi(-\xi^2 - \beta^2 + 1) + (\xi - \alpha)^3] & \text{für } x \geq a \end{cases}$$

$$EIw'_A = \frac{q_0l^3}{24}$$

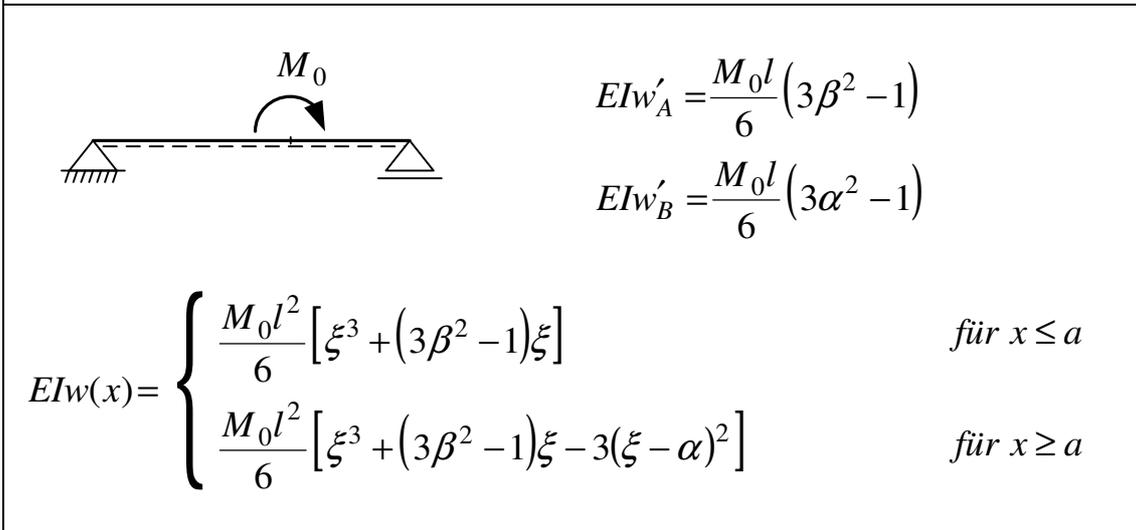
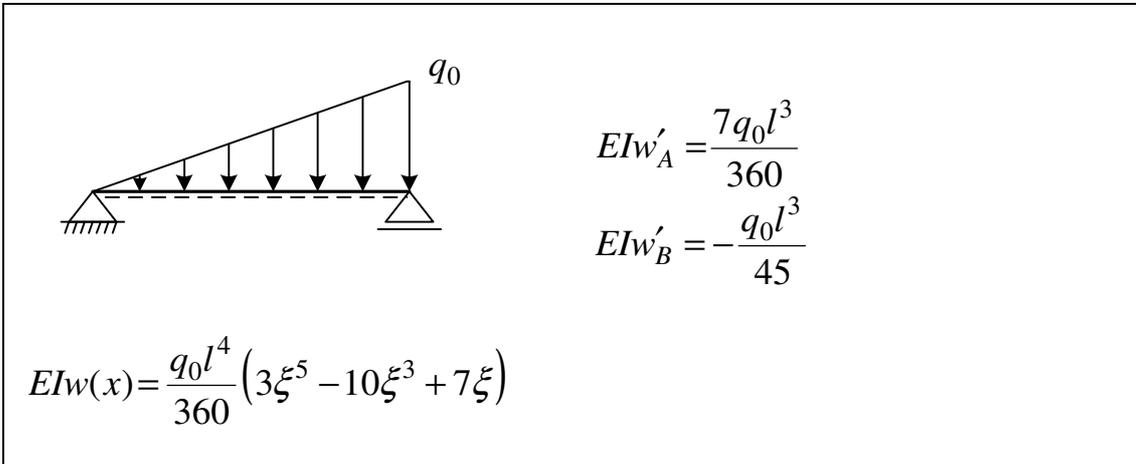
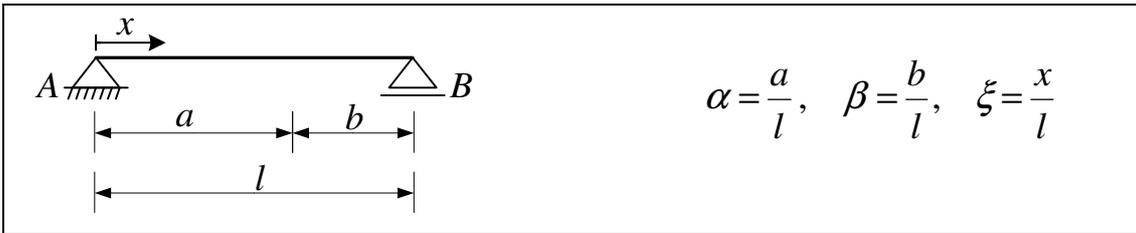
$$EIw'_B = -\frac{q_0l^3}{24}$$

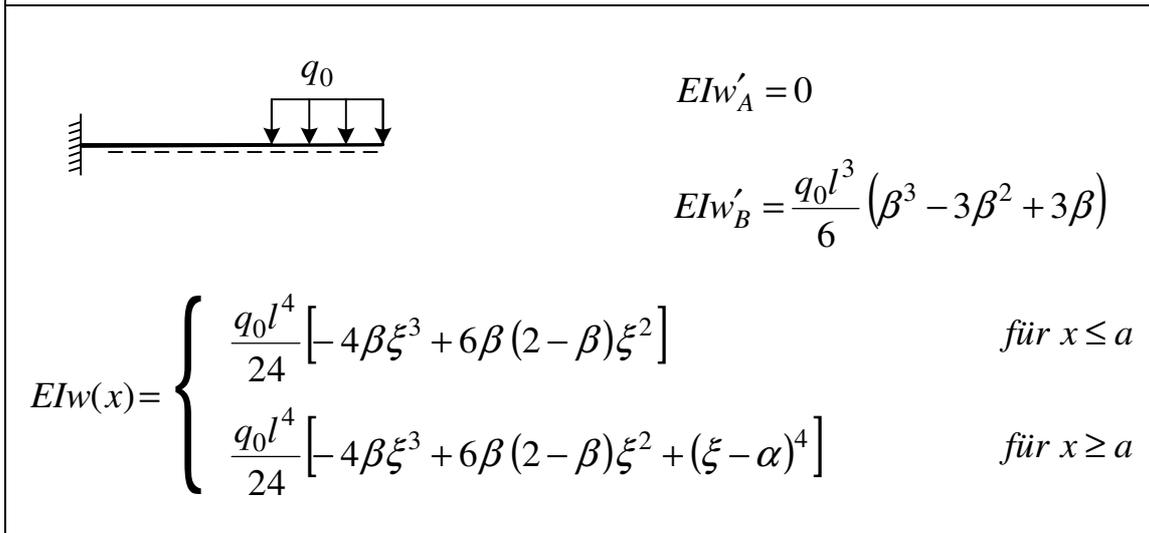
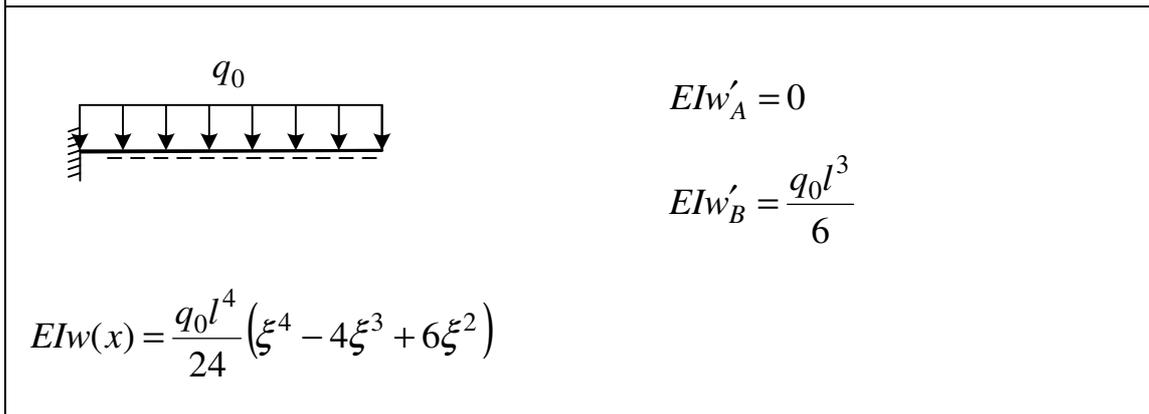
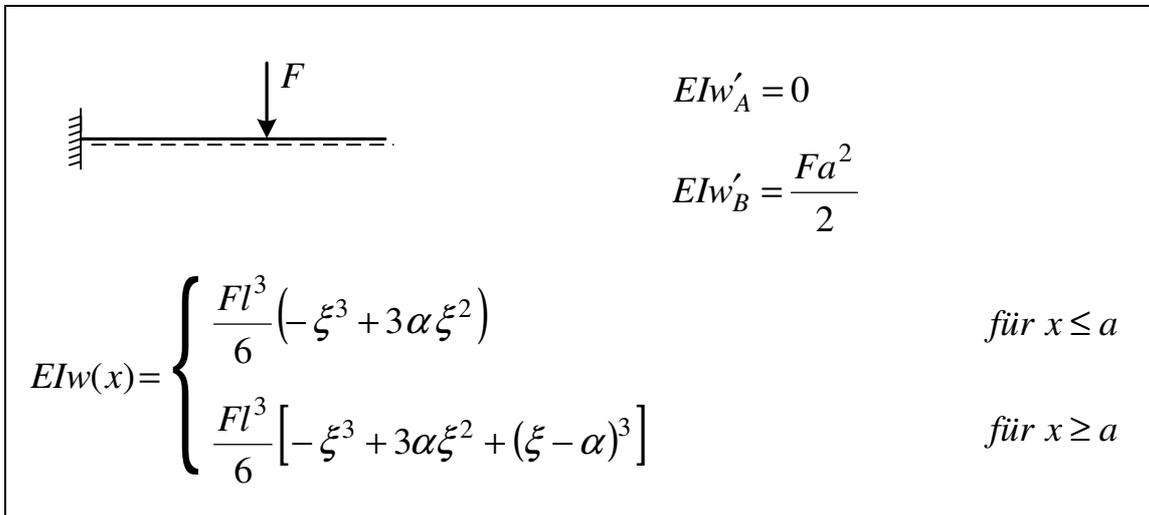
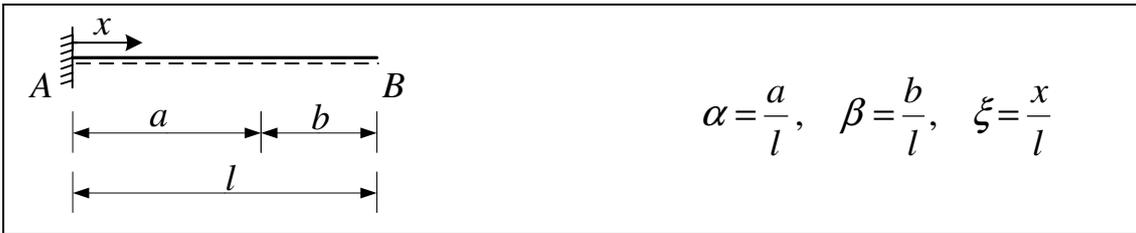
$$EIw(x) = \frac{q_0l^4}{24}(\xi^4 - 2\xi^3 + \xi)$$

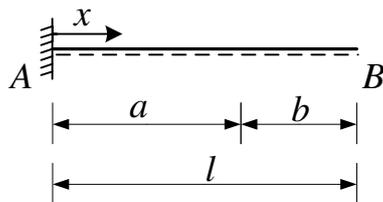
$$EIw'_A = \frac{q_0l^3}{24}(1 - \beta^2)^2$$

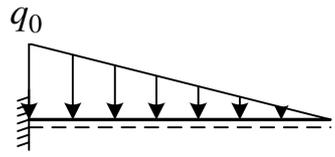
$$EIw'_B = \frac{q_0l^3}{24}(\beta^4 - 4\beta^3 + 4\beta^2 - 1)$$

$$EIw(x) = \begin{cases} \frac{q_0l^4}{24}[\xi^4 - 2(1 - \beta^2)\xi^3 + (1 - \beta^2)^2\xi] & \text{für } x \leq a \\ \frac{q_0l^4}{24}[\xi^4 - 2(1 - \beta^2)\xi^3 + (1 - \beta^2)^2\xi - (\xi - \alpha)^4] & \text{für } x \geq a \end{cases}$$



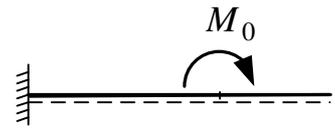




$$\alpha = \frac{a}{l}, \quad \beta = \frac{b}{l}, \quad \xi = \frac{x}{l}$$


$$EIw'_A = 0$$

$$EIw'_B = \frac{q_0 l^3}{24}$$

$$EIw(x) = \frac{q_0 l^4}{120} (-\xi^5 + 5\xi^4 - 10\xi^3 + 10\xi^2)$$


$$EIw'_A = 0$$

$$EIw'_B = M_0 a$$

$$EIw(x) = \begin{cases} \frac{M_0 l^2}{2} \xi^2 & \text{für } x \leq a \\ \frac{M_0 l^2}{2} (2\alpha\xi - \alpha^2) & \text{für } x \geq a \end{cases}$$