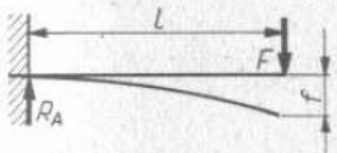
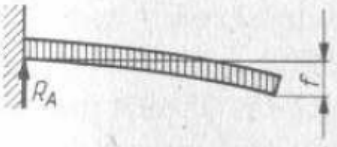
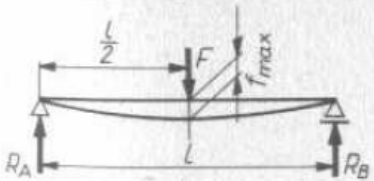
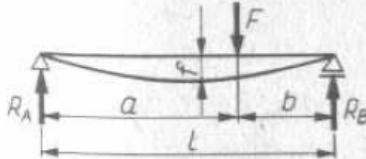
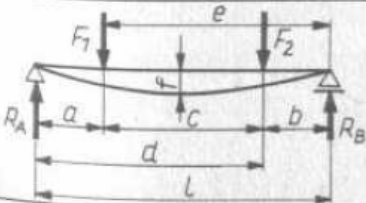
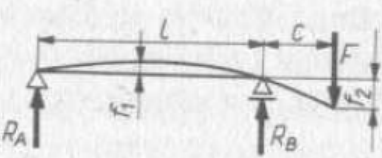
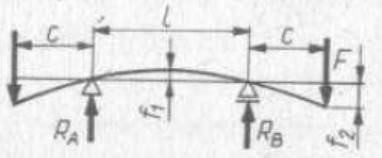
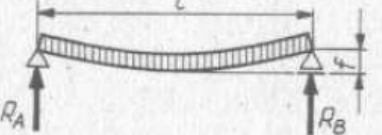


Strzałki ugięcia

Wzory na strzałki ugięcia belek

Sposób obciążenia	Strzałki ugięcia
	$f = \frac{Fl^3}{3EJ}$
	$f = \frac{ql^4}{8EJ}$
	$f = \frac{F \cdot l^3}{48EJ}$
	$f = \frac{Fa^2b^2}{3EJl}$
	$f = \frac{F_1a^2e^2 + F_2b^2d^2}{3EJl}$

Sposób obciążenia	Strzałki ugięcia
	$f_1 = \frac{Fl^2c}{3EJl} \quad ; \quad f_2 = \frac{Fc^2}{3EJ} \cdot \left(c + \frac{3l}{2} \right)$
	$f_1 = \frac{Fl^2c}{EJ9\sqrt{3}}$ $f_2 = \frac{F}{EJ} \cdot \frac{(l+c)c^2}{3}$
	$f = \frac{5}{384} \cdot \frac{gl^4}{EJ}$