Die Statik im Stahlbetonbau

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Berlin [u.a.], 1956

Lösung für gekrümmte Stäbe mit γ=const und J=const

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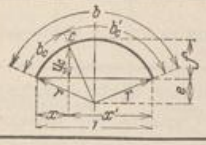
Lösung für gekrümmte Stäbe mit $r = \text{const}$ und $J = \text{const}$.

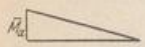
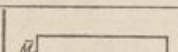
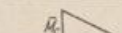
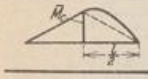
Tabelle 16. $\int_0^b M \bar{M} \frac{J_h}{J} ds$.

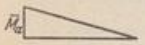
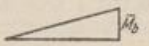
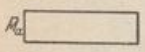
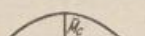
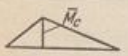
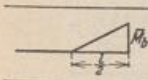
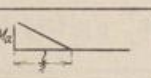
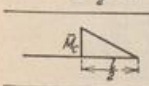
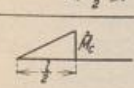


$\xi = \frac{x}{l}$ $\quad \xi' = \frac{x'}{l}$ $\quad b' = b \frac{J_e}{J_h}$

$\beta = \frac{b_e}{b}$ $\quad \beta' = \frac{b'_c}{b}$

$M = 1 \cdot y$

	$\frac{1}{2} \bar{M}_a r \left(\frac{l}{b} - \frac{e}{r}\right) b'$		$\bar{M}_a r \left(\frac{l}{b} - \frac{e}{r}\right) b'$
	$\frac{1}{2} \frac{\bar{M}_e}{\omega_R} r \frac{l}{b} \left\{\omega_R + \frac{e}{l}\left[2 \frac{y_e}{l} - \frac{b}{r}(\xi \beta' + \xi' \beta)\right]\right\} b'$		
	$\bar{M}_b \frac{r f^2}{b l} b'$		$\frac{1}{4} \bar{M}_c r \left(\frac{l}{b} + 8 \frac{e f}{b l} - 2 \frac{e}{r}\right) b'$
	$2 \bar{M}_c r \left(\frac{l}{3b} + \frac{e r}{l^2} - \frac{e}{2r} - \frac{e^2}{b l}\right) b'$		$\frac{r^2}{2} \left(1 + 2 \frac{e^2}{r^2} - 3 \frac{e l}{b r}\right) b'$
	$2 \bar{M}_c r \left(\frac{l}{3b} + \frac{e r}{l^2} - \frac{e}{2r} - \frac{e^2}{b l}\right) b'$		

	$\frac{1}{4} M_a \bar{M}_a \left(1 + 2 \frac{r^2}{l^2} - \frac{2 e r}{b l}\right) b'$		$\frac{1}{4} M_a \bar{M}_b \left(1 - 2 \frac{r^2}{l^2} + \frac{2 e r}{b l}\right) b'$
	$\frac{1}{2} M_a \bar{M}_a b'$		$\frac{1}{2} M_a \bar{M}_c \left(1 - 2 \frac{r^2}{l^2} + \frac{2 e r}{b l}\right) b'$
	$\frac{1}{4} \frac{M_a \bar{M}_c}{\omega_R} \left[\xi \beta' + \xi \beta + 2 \frac{r^2}{l^2} (\xi \beta' - \xi' \beta) - \frac{y_c}{l} \frac{r}{b} (2 + \xi - \xi')\right] b'$		
	$2 M_a \bar{M}_c \left(\frac{2}{3} \frac{e r}{b l} - \frac{e^2}{l^2} + \frac{8}{3} \frac{f r^3}{b l^3}\right) b'$		
	$2 M_a \bar{M}_c \left(\frac{e r}{3 b l} + \frac{1}{4} - \frac{8}{3} \frac{f r^3}{b l^3}\right) b'$		
	$\frac{1}{2} M_a r \left(\frac{l}{b} - \frac{e}{r}\right) b'$		
	$\frac{1}{2} M_a \bar{M}_b \frac{r}{l} \left(2 \frac{r}{b} - \frac{r}{l} - \frac{e}{b}\right) b'$		$\frac{1}{2} M_a \bar{M}_a \frac{r}{l} \left(2 \frac{r}{b} + \frac{r}{l} - 3 \frac{e}{b}\right) b'$
	$\frac{1}{4} M_a \bar{M}_c \frac{r}{l} \left(\frac{l}{r} - 8 \frac{f}{b} + 2 \frac{r}{l} - \frac{e l}{b r}\right) b'$		
	$\frac{1}{4} M_a \bar{M}_c \frac{r}{l} \left(\frac{l}{r} - 2 \frac{r}{l} + \frac{e l}{b r}\right) b'$		