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Artikel: Errata of the "preliminary publication"

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III. Errata of the "Preliminary Publication".

The "Preliminary Publication" is to be corrected as follows:

I 1 A. Freudenthal.

p. 7: $\sqrt{\left(\frac{\sigma_x + \sigma_y}{2}\right)^2 + \tau^2} + \sin\rho \, \frac{\sigma_x + \sigma_y}{2} = C$

I 2 J. Fritsche.

p. 23, eq. (2): $\sigma'_F = \sqrt{\frac{2}{1 + \alpha(1 - \beta)}} \cdot \sigma_F$

p. 33, eq. (13): $\ldots\ldots = \bar{\sigma}_{o\,crit}\,[1 + \bar{\sigma}_{o\,crit} \cdot \ldots]$

I 4 E. Melan.

p. 60, 9th l. from the bottom: $\vartheta_{11} + c_1 \ldots\ldots \vartheta_{1\lambda}$

p. 62, 9th l.: $\bar{\sigma}_i + c_i \bar{v}_i = \ldots$

p. 63, 10th l. from the bottom:

$\ldots + c_i\,(2\,w_i^{(\varphi)} + \Delta w_i^{(\varphi+1)})\,\Delta w_i^{(\varphi+1)}$

p. 63, 6th l. from the bottom: $z_i^{(\varphi+1)} = e_i^{(\varphi+1)} - \ldots$

I 5 E. Kohl.

p. 67: $\ldots = \frac{34{,}5\,P'_{Gr}}{50{,}64 + l_z \frac{F_c}{F_z}}$ for case a

$\ldots = \frac{34{,}5\,P_{Gr}}{60{,}54 + l_z \frac{F_c}{F_z}}$ for case b

I 6 R. Lévi.

p. 81, 11th l. from the bottom: $n = \frac{PC}{OP} = \ldots$

IIb 1 E. Bornemann.

p. 183, at the bottom: $\sigma_b = \frac{(\delta - x)}{\left(\frac{E_e}{E_b} + \frac{1}{\mu}\right)} \cdot E_e$

IId 1 F. Baravalle.

p. 322, Fig. 4: Space between the columns 3.90 instead of 5.30

IIIa 1 O. Kommerell.

p. 366, eq. (5): $= \frac{a \cdot \max M + b \cdot \min M}{W} = \ldots$

p. 366, eq. (8): $M = \max M + \frac{1}{2}\,(\ldots)$

IIIa 2 M. Roš.

p. 411, eq. (7): $\sigma_g = \sqrt{\ldots\ldots + \gamma\tau^2} \leqq \sigma_{o\,zul}$

p. 412/13: In the article *"Obliquely placed fillet-weld"*

Accordingly we receive

$$\sigma_h = \frac{P}{h}; \quad \sigma_1 = 0.25\,\sigma_h; \quad \sigma_2 = 0.75\,\sigma_h; \quad \tau = 0.433\,\sigma_h$$

$$\alpha_1 = 0.35; \qquad \alpha_2 = 0.85$$

h = depth of weld

From the equation (6) — Fig. 20 — follows that

$$\sigma_h \cdot \sqrt{\left(\frac{0.75}{0.85}\right)^2 + 6 \cdot 0.433^2} = 1.38\,\sigma_h \leqq \sigma_{o\,zul}$$

$$\sigma_h \leqq 0.72\,\sigma_{o\,zul}$$

IIIc 1 N. C. Kist.

p. 518, 3rd li from the bottom:

$$\frac{1}{2}\,F\,\sigma_{B\alpha} = \frac{\sigma_{B\,zug}}{\sqrt{\sin^2\alpha + 3\cos^2\alpha}}$$

IVa 3 H. Granholm.

p. 710, eq. (4a): $(\ldots.) + e^{kx}\,(C\cos kx + D\sin kx)$

IVb 1 S. Boussiron.

p. 740: $J' = \dfrac{J_{crown}}{1 - \dfrac{K-1}{K}\,m^{\gamma}}$

IVb 2 Fr. Dischinger.

p. 761, 11th and 16th l.: lowering of the crown of $\dfrac{1}{3500}\,\dfrac{1}{2f}$

p. 769, 18th l. from the bottom: .... 45,200 tm ....

IVb 3 A. Hawranek.

p. 791, eq. (3): $\ldots\ldots + \dfrac{1}{EF_m}\displaystyle\int \dfrac{N_x^2\,ds}{A' + B'x + Dx^2}$

p. 792, 3rd l.: $\dfrac{H\Phi}{EF_m} \cdot \dfrac{2\,l\nu}{\varepsilon^2}\left[\left(a + \dfrac{1}{2}\right)\ln\dfrac{\nu}{\nu_1} + \ldots.\right.$

V 3 F. and H. Bleich.

p. 878, last equation: $\ldots\ldots + \dfrac{1}{G}\sum_i{}' \dfrac{T'_i h_i}{\delta_i} = 0$

p. 889, eq. (42), 3rd eq.: $\ldots. + EB_\varphi \dfrac{d^4\varphi}{dz^4} - GJ_d \dfrac{d^2\varphi}{dz^2} = 0$

V 10 Fr. Krabbe.

p. 1032, 8th l. from the bottom:

$$\ldots\ldots - \frac{4\,E\,(J_{dm} + J_{d\,(m+1)})}{a} - \frac{6\,EJ_v}{h}$$

p. 1032, 4th l. from the bottom:

$$\ldots\ldots + J_{o\,(m+1)}\,\vartheta_{(m+1)} - 4\,J_{dm}\cos\alpha\,\frac{\vartheta_m}{2}\ldots\ldots$$

p. 1033, 14th l.:

$$= \frac{E}{a}\Big[- J_{o\,(m+1)}\,\vartheta_{m+1} + 4\,J_{d\,(m+1)}\cos\alpha\,\frac{\vartheta_{m+1}}{2}\ldots\ldots$$

p. 1034, eq. (30): $M_m = -\dfrac{4\,EJ_o}{a}$

V 11 B. Laffaille.

p. 1061, 10th l.: $\dfrac{d}{dr}(r\,z'\,\sigma_r) = Z\,r$

p. 1062, 3rd l. from the bottom: $\tau_{r\vartheta} = \Sigma\,t_n\cos n\vartheta$

VI 1 Zd. Bazant.

p. 1098, eq. (15a): $\omega' = \dfrac{1-\cos\alpha}{\vartheta'}\Big[\ldots\Big]$

p. 1101, eq. (25a): $y = \omega_o\,r_o\Big[\varepsilon - \delta\varepsilon + \dfrac{(p+p')\,r_2}{Et}\Big]$

VIII 1 A. E. Bretting.

p. 1491, last line: $G = K\left(\dfrac{y}{10}\right)^n$

p. 1495, 21st l.: $c = 0.5\,d$

p. 1497, 10st l. from the bottom: $G = K\cdot\left(\dfrac{y}{10}\right)^n$