Erratum to “Practical slip circle method of slices for calculation of bearing capacity factors” [Soils Found. 54 (6) (2014) 1127–1144]

Takashi Tsuchida*, A.M.R.G. Athapaththu

Civil and Environmental Engineering, Institute of Engineering, Hiroshima University, 1-4-1 Kagamiyama, Higashi-Hiroshima, Hiroshima, Japan

Available online 1 April 2015

We regret for the following corrections:

- In pp. 1130, Eq. (10) needs to be corrected as follows:

\[ W_i^0 + \Delta E_i^0 \cdot \tan (\beta \cdot \alpha_i) = T_i \cdot \sin \alpha_i + N_i^0 \cdot \cos \alpha_i \]

\[ \Delta E_i^0 = \frac{T_i \cdot \sin \alpha_i + N_i^0 \cdot \cos \alpha_i - W_i^0}{\tan (\beta \cdot \alpha_i)} \]  

- In pp. 1132, Eq. (24) needs to be corrected as follows:

\[ N_i^0 = \frac{W_i^0 + \{ \cos \alpha_i \cdot \tan (\beta \cdot \alpha_i) - \sin \alpha_i \} \cdot (c_i l_i + N_i^0 \cdot \tan \phi_i)/F_s + Y_0 \cdot \cos \alpha_i/F_s \cdot \tan (\beta \cdot \alpha_i) - Y_0 \cdot \sin \alpha_i/F_s}{\sin \alpha_i \cdot \tan (\beta \cdot \alpha_i) + \cos \alpha_i} \]  

- In pp. 1132, Eq. (25) needs to be corrected as follows:

\[ N_i^0 = \frac{W_i^0 \cdot \cos \alpha_i + c_i l_i \cdot \{ \tan (\beta \cdot \alpha_i) - \tan \alpha_i \} / F_s + (Y_0 \cdot \cos \alpha_i \cdot \tan (\beta \cdot \alpha_i) - Y_0 \cdot \sin \alpha_i)}{1 + \tan \alpha_i \cdot \tan (\beta \cdot \alpha_i) - \{ \tan (\beta \cdot \alpha_i) - \tan \alpha_i \} \cdot \tan \phi_i / F_s} \]  

- In pp. 1132, Eq. (26) needs to be corrected as follows:

\[ \sum \frac{c_i l_i + N_i^0 \cdot \tan \phi_i}{F_s} + \frac{Y_1}{F_s RL} = \sum W_i \cdot \sin \alpha_i \]  

- In pp. 1140, the vertical axis of Fig. 12 needs to be corrected as “calculated in this study”.

The publisher would like to apologise for any inconvenience caused.

DOI of original article: http://dx.doi.org/10.1016/j.sandf.2014.11.008

*Corresponding author.

E-mail address: ttuchida@hiroshima-u.ac.jp (T. Tsuchida).

Peer review under responsibility of The Japanese Geotechnical Society.