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Authors

Choi, Jung In
Kim, Myoung Mo
Brandenberg, Scott J

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ERRATUM: A CYCLIC P-Y PLASTICITY MODEL APPLIED TO PILE FOUNDATIONS IN SAND

By, Jung In Choi¹, Myoung Mo Kim², and Scott J. Brandenburg³, M. ASCE

Equation 10 in the original paper is incorrect, and should be replaced by the following updated equation from Dobry et al. (1982):

$$K^e = 1.67 \left(\frac{E_p}{E_s} \right)^{-0.053} E_s \quad (10)$$

Specifically, in the original paper, the coefficients 1.69 and -0.137 are incorrect and should be replaced by 1.67, and -0.053, respectively. All simulations presented in the original paper utilize the updated equation to define the elastic subgrade reaction modulus for the p-y elements.

References

Dobry, R., Vicente, E., O'Rourke, M.J., and Roesset, J.M. (1982). "Horizontal Stiffness and Damping of Single Piles." *J. Geotech. Eng. Div.* 108(GT3) 439-459.

¹ Senior Engineer, Central Research Institute, Samsung Heavy Industries Co., LTD., 80 Jangpyeong 3ro, Geoje Si, Gyeongsangnam Do, 656-710, Korea, E-mail: next2u00@snu.ac.kr

² Professor, Department of Civil Engineering, Seoul National University, San 56-1, Shinlim-Dong, Kwanak-Ku, Seoul, 151-742, Korea. E-mail: geotech@snu.ac.kr

³ Associate Professor and Vice Chair, Department of Civil and Environmental Engineering, University of California, Los Angeles, 5731 Boelter Hall, Los Angeles, CA 90095-1593 (corresponding author). E-Mail: sjbrandenberg@ucla.edu