

Soils and Foundations

Volume 54, Issue 5

CONTENTS

Probabilistic analysis of consolidation that considers spatial variability using the stochastic response surface method <i>T. Bong, Y. Son, S. Noh and J. Park</i>	917
Horizontal impedance of pile groups considering shear behavior of multilayered soils <i>J. Wang, D. Zhou and W. Liu</i>	927
Prediction of embankment behavior of regulating reservoir with foundation improved by vacuum consolidation method <i>T. Shibata, A. Murakami and M. Fujii</i>	938
Static liquefaction-triggering analysis considering soil dilatancy <i>A. Sadrekarimi</i>	955
Analytical layer-element solution for 3D transversely isotropic multilayered foundation <i>Z.Y. Ai, X.B. Jiang and Y.D. Hu</i>	967
Simulation of pipe progression in a levee foundation with coupled seepage and pipe flow domains <i>D.-y. Wang, X.-d. Fu, Y.-x. Jie, W.-j. Dong and D. Hu</i>	974
The inclination and shape factors for the bearing capacity of footings <i>S. Van Baars</i>	985
Prediction of pore water pressure generation leading to liquefaction under torsional cyclic loading <i>M. Konstadinou and V.N. Georgiannou</i>	993
Description of partial sandy layers of dredged clay deposit using penetration resistance in installation of prefabricated vertical drains <i>Y. Watabe, H. Shinsha, H. Yoneya and C. Ko</i>	1006
Modeling compression behavior of cement-treated zinc-contaminated clayey soils <i>Y.-J. Du, S. Horpibulsuk, M.-L. Wei, C. Suksiripattanapong and M.D. Liu</i>	1018
Experimental research on water retention and gas permeability of compacted bentonite/sand mixtures <i>J.-F. Liu, F. Skoczylas and J. Liu</i>	1027

THE JAPANESE GEOTECHNICAL SOCIETY

4-38-2, Sengoku, Bunkyo-ku, Tokyo 112-0011, Japan

TEL: +81-3-3946-8677 FAX: +81-3-3946-8678 E-mail: kaishi@jiban.or.jp

URL: <http://www.jiban.or.jp/>

