

## REFERENCES

1. Arangelovski, Goran et Towhata, Ikuo., 2006. *Accumulated Deformation of Sand in One\_Way Cyclic Loading Under undrained Conditions*. Soil stress-Strain Behaviour: Measurement, Modelling and Analysis Geotechnical Symposium in Roma, March 16&17 2006.
2. Aubry D., Modaressi A. and Modaressi H., 1990. *A constitutive model for cyclic behaviour of interfaces with variable dilatancy*. Computers and Geotechnics, 9:47-58.
3. Bagagli, Yoann, 2008. *Amélioration d'une loi de comportement de sol sous sollicitation sismique et d'une loi de comportement d'interface sol structure sous chargement cyclique*. Rapport de Travail de Fin d'étude, Ecole Centrale de Lyon, Programme Master MEGA.
4. Boulon M. & Foray P., 1986. *Physical and numerical simulation of lateral shaft friction along offshore piles in sand*. Proc. 3rd Int. Conf. Num. Meth. Offshore Piling, pp 127-147.
5. Boulon, M. et Nova, R., 1990. *Modelling of soil-structure interface behaviour, a comparaison between elastoplastic and rate type laws*. Computers and Geotechnics 9 (1/2), 21-46.
6. Boulon, M., 1989. *Basic features of soil structure interface behaviour*. Comput. Geotech. 7, 115–131.
7. Boulon, M., Pylatas, C., et Foray, P., 1986. *Comportement d'interface et prévision du frottement latéral le long des pieux et tirants d'ancrage*. Revue Français de Gotechnique, Vol.2, 31-48.
8. Bryne, P.M. et McIntyre, J., 1994. *Deformations in Granular Soils due to Cyclic Loading*. Vertical and Horizontal Deformations of Foundations and Embankments, Geotechnical Special Publication N°40, Vol 2, pp 1864-1896.
9. D'Aguiar, S., Modaressi-Farahmand-Razavi, A., Lopez-Caballero , F., et . Santos, J.A. , 2008. *Soil Structure Interface Modelling: Application to Pile Axial Loading*. International Association for Computer Methods and Advances in Geomechanics. 1-6 October 2008, Goa, India.
10. Desai, C., Drumm, C., Zaman, M., 1985. *Cyclic testing and modeling of interfaces*. J. Geotech. Eng. ASCE 111 (GT6), 793–815.

11. Desai, CS et Ma, Y., 1992. *Modelling of joints and Interfaces using the disturbed state concept*. Int. J. Num. An. Meth. In. Geomechanics, V.16, 623-653, 1992.
12. Dufour-Laridan E. 2001. *Propriétés mécaniques des sols en petites déformations étude expérimentale d'un sable silteux*. Thèse de doctorat à l'Ecole Centrale de Paris, soutenue le 18/12/2001, directeur de thèse : J.-M. Fleureau.
13. Evgin, E., Fakharian, K., 1996. *Effect of stress curves on the behaviour of sand-steel interfaces*. Can. Geotech. J. 33, 853–865.
14. Fakharian, K., Evgin, E., 1993. *A three dimensional apparatus for cyclic testing of interface*. Proceedings, 46th Annual Canadian Geotechnical Conference, Saskatoon, Sask., september 27-29, pp. 485-493.
15. Fakharian, K., Evgin, E., 2000. *Elasto-plastic modeling of stress-curve-dependent behaviour of interfaces*. Int. J. Numer. Anal. Meth. Geomech. 24, 183–199.
16. Fioravante V., 2002. *On the shaft friction modelling of non-displacement piles in sand*. Soils and Foundations, 42(2):23-33.
17. Garnier, J. & König, D., 1998. *Scale effects in piles and nails loading tesr is sand*. Centrifug 98, Tokyo, Kimura et al. (Ed) : Balkema :205-210.
18. Gennaro, V., Frank, R., 2002. *Elasto-plastic analysis of the interface behaviour between granular media and structure*. Comput. Geotech. 29, 547–572.
19. Ghionna, V., Mortara, G., 2002. *An elastoplastic model for sand-structure interface behaviour*. Geotechnique 52 (1), 41–50.
20. Hu, L.M., Pu, J.L., 2004. *Testing and modeling of soil-structure interface*. J. Geotech. Geoenviron. Eng. ASCE 130 (8), 851–860.
21. Jafarzadeh,F., Javaheri,H., Sadek, T. et Wood, D. Muir., 2008. *Simulation of anisotropic deviatoric response of Hostun sand in true triaxial tests*. Computers and Geotechniques 35 (2008) 703 – 718.
22. Kishida, H., Uesugi, M., 1987. *Tests of interfaces between sand and steel in the simple shear apparatus*. Geotechnique 37 (1), 45–52.
23. Lehane,B. M. and White D. J., 2005. *Lateral stress changes and shaft friction for model displacement piles in sand*. Canadian Geotechnical Journal, 42, 1015–1029.
24. Liu, H., Song, E. et Ling, H.I., 2006. *Constitutive modelling of soil-structure interface through the concept of critical state soil mechanics*. Mechanics Research Communications 33, pp 515-531.
25. Masing, G., 1926. *Eigenspannungen und Verfestigung beim Messing*. Proceedings, Second International Congress of Applied Mechanics, pp 332-335.

## **Appendix**

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26. Mohkam, M., 1983. ***Contribution à l'étude expérimentale et théorique du comportement des sables sous chargement cycliques.*** Thèse Docteur Ingénieur, Université de Grenoble.
27. Mortara, G., Boulon, M., Ghionna, V., 2002. ***A 2-D constitutive model for cyclic interface behaviour.*** Int. J. Numer. Anal. Meth. Geomech. 26, 1071–1096.
28. Ramberg, W. et Osgood, W.T., 1943. ***Description of Stress-Strain Curves by Three Parameters.*** Technical, note 902, National Advisory Committee of Aeronautics.
29. Riyono, Winarputro Adi et Vincens, Eric., 2007. ***Modelling of an Interface Behaviour Through Direct Shear Test.*** CSSC Journal, vol.8, N°2, Dec 2007.
30. Rowe, P.W., 1962. ***The stress-dilatancy relation for static equilibrium of an assembly of particles in contact.*** Proceeding of the Royal Society, vol. A269, pp.500-527.
31. Shahrour, I., Rezaie, F., 1997. ***An elastoplastic constitutive relation for the soil-structure interface under cyclic loading.*** Journal of Computer and Geotechnics , Elsevier (1997) pp 21-39.
32. Yoshimi, Y., Kishida, T., 1981. ***A ring torsion apparatus for evaluating friction between soil and metal surface.*** Geotech. Test. J. ASTM 4 (4), 145–152.
33. Zhang, L., Thornton, C., 2007. ***A Numerical Examination of the Direct Shear Test.*** Géotechnique 57, No. 4, 343-354.