参考文獻

- 1. Amadei, B. and Wibowo, J. "Application of Existing Models to Predict the Behavior of Rock Joints under Different Boundary Condition," Taiwan Rock Engineering Symposium, 24-25, 9, pp. 1-70(1998)
- 2. Barton, N. and Bandis, S., "Effects of Block Size on the Shear Behavior of Jointed Rock," 23rd U.S. Rock Mechanics, Berkeley, CA, pp.739-760.(1982)
- 3. Barton, N. and Choubey, V., "The Shear Strength of Rock Joints in Theory and Practice," Rock Mechanics, Vol.10, pp.1-54.(1977)
- 4. Benmokrane, B., Mouchaorab, K.S. and Ballivy, G., "Laboratory Investigation of Shaft Resistance of Rock-socketed Piers Using the Constant Normal Stiffness Direct Shear Test," Canadian Geotechnical Journal, Vol. 31, pp. 407-419.(1994)
- 5. Brown E.T. (Ed.) Rock Characterization, Testing and Monitoring: ISRM Suggested Methods. Pergamon Press, Oxford.(1981)
- 6. Carter, I.P. and Oil, L.H., "Application of a Joint Model to Concrete-sandstone Interfaces," International Journal of Numerical Methods in Geomechanics, pp.889-893.(1988)
- 7. Das, B.M., "Principles of Foundation Engineering," 2nd Ed., PWS-KENT Publishing Company, Boston, pp. 458 (1990)
- 8. Goodman, R.E. "Introduction to Rock Mechanics," 2nd Ed., Wiley, New York, pp. 163-169 (1989)
- 9. Goodman, R.E. and Boyle, W. "Non-linear Analysis for Calculating the Support of a Rock Block with Dilatant Joint Faces," Presented at the 34th Geomechanics Colloquy, Salzburg, Austria. (1985)

- Haberfield, C.M. and Johnston, I.W. "A Mechanistically-based Model for Rough Rock Joints," International Journal of Rock Mechanics and Mining Sciences, Vol.31, No4, pp.279-292.(1994)
- 11. Haberfield, C.M. and Seidel, J.P. "Some Recent Advances in the Modeling of Soft Rock Joints in Direct Shear," Geotechnical and Geological Engineering 17, 3,, pp. 177-195.(1999)
- 12. Hasson, K.M., and O Neill, M.W. "Side Load-Transfer Mechanisms in Drilled Shafts in Soft Argillaceous Rock," Journal of Geotechnical and Geoenvionmental Engineering, Vol.123, No.2, pp503-513.(1997)
- 13. Horvath, R.G., and Kenny, T.C. "Shaft Resistance of Rock-socketed Drilled Piers," On Deep Foundation, ASCE, 182-214. (1979)
- 14. Horvath, R.G., Kenny, T.C, and Trow, W.A. "Results of Tests to Determine Shaft Resistance of Rock-socketed Drilled Piers," Structural Foundations on Rock, Sydney, pp.349-361.(1980)
- 15. Johnston, I.W., Lam, T.S.K. and Williams, A.F. "Constant Normal Stiffness Direct Shear Testing for Socketed Pile Design in Weak Rock," Geotechnique 37, No. 1, pp. 83-89.(1987)
- 16. Johnston, I.W. and Lam, T.S.K. "Shear Behavior of Regular Triangular Concrete/Rock Joints-Analysis," Journal of Geotechnical Engineering, ASCE, Vol. 115, No.5, 711-727.(1989)
- 17. Johnston, I.W. and Lam, T.S.K. "Shear Behavior of Regular Triangular Concrete/Rock Joints-Evaluation," Journal of Geotechnical Engineering, ASCE, Vol. 115, No.5, 711-727.(1989)
- 18. Johnston, I.W. and Haberfield, C.M., "Side Resistance of Piles in Weak Rock" European Practice and Worldwide Trends, pp52-58. (1992)
- 19. Johnston, I.W. "Soft Rock Engineering," Comprehensive Rock Engineering, ED.J.A. Hudson, Vol.1, pp. 367-393.(1993)

- 20. Kodikara, J.K. and Johnston, I.W. "Shear Behavior of Irregular Triangular Rock-Concrete Joints," International Journal of Rock Mechanics and Mining Sciences, Vol.31, No4, pp.313-322.(1994)
- 21. Ladanyi, B. and Archambault, G. "Simulation of Shear Behavior of a Joint Rock Mass," Rock Mechanics, Theory and Practice, Somerton, W.H., Ed., pp.105-125.(1970)
- 22. Oil, L.H. and Carter, I.P., "A Constant Normal Stiffness Direct Shear Device for Static Cyclic Loading," Geotechnical Testing Journal, Vol.10, No.1 pp.3-12.(1987)
- 23. Patton, F.D., "Multiple Modes of Shear Failure in Rock," Proceedings, 1st Congress, International Society of Rock Mechanics, Lisbon, Vol.1, pp.509-513.(1966)
- 24. Pells, P. J. N., and Turner, R. M., "End-bearing on Rock eith Particular Reference to Sandstone," Proceeding on Rock Sydney, Vol. 1, pp. 181-190. (1980)
- 25. Rosenberg, P., and Journeaux, N. L., "Friction and End Bearing Tests on Bedrock for High Capacity Socket Design, " Canadian Geotechnical Journal, Vol. 13, pp. 324-333.(1976)
- 26. Rowe, R. K., and Armitage, H. H., "The Design of Piles Socketed into Weak Rock," Research Report GEOT-11-84, Faculty of Engineering Science. The University of Western Ontario, London, Ont.(1984)
- 27. Saeb, S., "Effect of Boundary Conditions on the Behavior of a Dilatant Rock Joint," Journal of PhD. of Colorado University.(1989)
- 28. Seidel, J.P. and Haberfield, C.M. "A theoretical Model for Rock Joints Subjected to Constant Normal Stiffness Direct Shear," International Journal of Rock Mechanics and Mining Sciences, 39, pp.539-553.(1994)

- 29. Seidel, J.P. and Haberfield, C.M., "Towards an Understanding of Joint Roughness," Rock Mechanics and Rock Engineering 28(2),pp.69-92. (1995)
- 30. Seidel, J.P. and Haberfield, C.M. "The Application of Energy Principles to the Determination of the Sliding Resistance of Rock Joints," Rock Mechanics and Rock Engineering 28(4), pp.211-226.(1995)
- 31. Seidel, J.P. and Haberfield, C.M. "Laboratory Testing of Concrete-rock Joints in Constant Normal Stiffness Direct Shear," Geotechnical Testing Journal, Vol.25, No.4 pp.1-14.(2002)
- 32. Tisa, A. and Kovari, K. "Continuous Failure State Direct Shear Tests," Rock Mechanics and Rock Engineering 17, pp. 83-95.(1984)
- 33. Williams, A. F., and Pells, P. J. N., "Side Resistance Rock Sockets in Sandstone, Mudstone, and Shale," Canadian Geotechnical Journal, Vol. 18, pp. 502-513.(1980)
- 34. 孫蓮"現地傍壓儀試驗應用在軟弱岩石內基樁之行為模擬"國立交 通大學土木工程研究所碩士論文(2001)
- 35. 劉英助"人造膠結不良砂岩之模型承載試驗設備建立及淺基礎承載試驗"國立交通大學土木工程研究所碩士論文(2002)
- 36. 吳政達"人造膠结不良砂岩內岩鎖基樁模型承載試驗"國立交通大學土木工程研究所碩士論文(2003)
- 37. 曾孝欽"軟岩用多功能剪力試驗系統之建立-直剪與單剪系統"國立交通大學土木工程研究所碩士論文(2003)

- 38.林智惠"膠結不良砂岩在不同應力路徑下之力學行為"國立交通大學土木工程研究所碩士論文(2004)
- 39.廖學志"多功能孔內試驗儀之改良及試驗結果詮釋"國立交通大學 土木工程研究所碩士論文(2004)

