

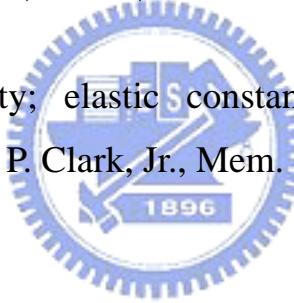
參考文獻

邱彬晟，”坡地破壞潛能分析模式之建立與探討”，國立交通大學碩士論文，2002。

Aksoy, H. and Chen, C. J., “Finite Analytic Numerical Solution of Navier Stokes Equations Using Non-staggered Grids”, Numerical Methods in Thermal Problems, 6:1633-1643,1989.

Aksoy, H. and Chen, C. J., “Numerical Solution of Navier Stokes Equations with Nonstaggered Grids Using Finite Analytic Method”, Numerical Heat Transfer, Part B, 21:287-306,1992.

Birch, F., Compressibility; elastic constant, Handbook of Physical Constants, edited by S. P. Clark, Jr., Mem. Geol. Soc. Am., 97, 97-173, 1966.



Biot, M. A., “General theory of three-dimensional consolidation” , J. Appl. Phys., 12, 155-164, 1941.

Coulomb, C. A., “Essai sur une application des regles de Maximums et Minimis a quelques Problèmes de Statique, relatifs a l’Architecture” , Memoires de Mathematique et de Physique, Presentes, a l’Architecture Royal des Sciences, Paris, Vol. 3, 38. 1776.

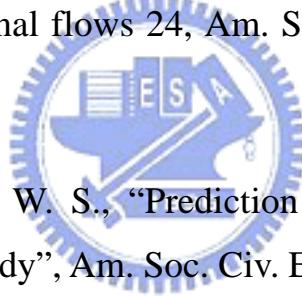
Chen, C. J., and Li, P., “Finite differential method in heat conduction-Application of analytic solution technique”, presented at the ASME Winter Annual Meeting, Am. Soc. Mech. Eng., New York,2-7, 1979.

Chen, C.J., Naseri-Neshat, H. and Ho, K. S. "Finite Analytic Numerical Solution of Heat Transfer in Two-Dimensional Cavity Flow", Numerical Heat Transfer, 4:179-197, 1981

Chen, H. C., and Chen, C. J., "The finite analytic method", voL. 4. Inst. of hydr. Res., 1982.

Chen, C. J. and Chen, H. C., "Development of Finite Analytic Numerical Method for Unsteady Two-Dimensional Navier-Stokes Equations", J. of computational Physics, 53:2:209-226, 1984a.

Chen, H. C. and Chen, C. J., "Development of Finite Analytic Numerical Method for Unsteady Three-Dimensional Navier-Stokes Equations", computational of internal flows 24, Am. Soc. Mech. Engrs., 159-165, 1984b.



Chen, C. J., and Cheng, W. S., "Prediction of Karman vortex behind arbitrary symmetric body", Am. Soc. Civ. Eng., August 1-3, 1984.

Chen, C. J., "Finite Analytic Numerical Method in Flows and Heat Transfer", Florida State University, 1995.

Chen, C. J., "Finite Analytic Method in Flows and Heat Transfer", Kent Carlson University of Iowa, 1999.

DAS, B. M., "Principles of Geotechnical Engineering" , PWS, Boston, 1994.

Duncan, J. M., and Dunlop, P., "Slopes in stiff-fissured clays and shales" , J. Soil Mech. Found. Div. Am. Soc. Civ. Eng., 95(SM2),

467-492, 1969.

Fletcher, C. A. J., "Computational Techniques for Fluid Dynamics 1 (Fundamental and General Techniques)" , Springer-Verlag, New York, 1988.

Forster, C., and Smith, L., "Groundwater flow systems in mountainous terrain, 1, Numerical modeling technique" , Water Resour. Res., 24(7), 999-1010, 1988a.

Forster, C., and Smith, L., "Groundwater flow systems in mountainous terrain, 2, Controlling Factors" , Water Resour. Res., 24(7), 1011-1023, 1988b.

Fourie, A. B., Rowe, D., and Blight, G. E., "The effect of infiltration on the stability of the slopes of a dry ash dump" , Geotechnique, 49(1), 1-13, 1999.

Fredlund, D. G., Rahardjo, H., "Soil mechanics for unsaturated soils" , John Wiley & Sons, New York, 1995.

Freeze, R. A., and Witherspoon, P. A., "Theoretical analysis of regional groundwater flow, 1, Analytical and numerical solutions to the mathematical model" , Water Resour. Res., 2(4), 641-656, 1966.

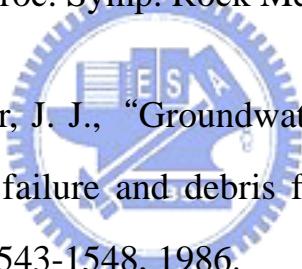
Freeze, R. A., and Witherspoon, P. A., "Theoretical analysis of regional groundwater flow, 2, Effect of water-table configuration and subsurface permeability variation" , Water Resour. Res., 3(2), 623-634, 1967.

Hodge, R. A., and Freeze, R. A., "Groundwater flow systems and slope stability" , Can. Geotech. J., 14, 466-476, 1977.

Hwang, Jack C., Chen, C. J., Sheikholeslami, M., and Panigrahi, K., "Finite Analytic Numerical Solution for Two-Dimensional Groundwater Solute Transport", Water Resource Research, vol.21, No.9, pages 1354-1360, 1985.

Hoffman, K. A., and Chiang, S. T., "Computation Fluid Dynamics for Engineers" , Engineering Education System, 1993.

Hoyaux, B., and Landanyi, B., "Stress distribution due to gravity in a vertical rock bank" , Proc. Symp. Rock Mech., 10, 621-631, 1972.



Iverson, R. M., and Major, J. J., "Groundwater seepage vectors and the potential for hillslope failure and debris flow mobilization" , Water Resour. Res., 22(11), 1543-1548, 1986.

Iverson, R. M., and Major, J. J., "Rainfall, ground-water flow, and seasonal movement at Minor Creek landslide, northwestern California: Physical interpretation of empirical relations" , Geol. Soc. Am. Bull., 99(4), 579-594, 1987.

Iverson, R. M., and Reid, M. E., "Gravity-Driven Groundwater Flow and Slope Failure Potential, 1, Elastic Effective-Stress model" , Water Resource Res., 28(3), 925-938, 1992.

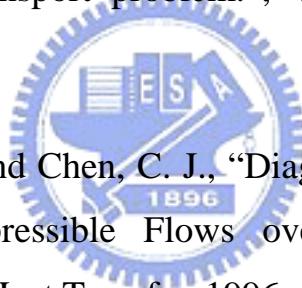
Iverson, R. M., and Reid, M. E., "Gravity-Driven Groundwater Flow and Slope Failure Potential, 2, Effects of Slope Morphology, Material

Properties, and Hydraulic Heterogeneity” , Water Resource Res., 28(3), 939-950, 1992.

Lambe, T. W., and Whitman, R. V., “Soil Mechanics” , SI Version, John Wiley, New York, 1979.

Louis, C., Dessenne, J. L., and Feuga, B., “Interaction between water flow phenomena and the mechanical behavior of soil or rock masses” , in Finite Element in Geomechanics, edited by Gudehus, G., pp. 479-511, John Wiley, New York, 1977.

Li, S. G., Ruan, F., and McLaughlin, D., “A space-time accurate method for solving solute transport problem.”, Water Resour. Res., 28(9), 2297-2306., 1992.



Lin, W. L., Carlson, K. and Chen, C. J., “Diagonal Cartesian Method for Modeling of Incompressible Flows over Complex Boundaries”, Journal of Numerical Heat Transfer, 1996.

Lin, W. L., and Chen, C. J., “Automatic Grid Generation of Complex Geometries in Cartesian Coordinates”, Int. Journal of Numerical Method in Fluids, 1997.

Malvern, L. E., “Introduction to the Mechanics of a Continuous Medium” , Prentice-Hall, Englewood Cliffs, N. J., 1969.

McTigue, D. E., and Mei, C. C., “Gravity-induced stress near topography of small slope” , J. Geophys. Res., 86(B10), 9268-9278, 1981.

Mohr, O., “Welche Umstände Bedingen die Elastizitätsgrenze und den

Bruch eines Materials? ” , Zeitschrift des Vereines Deutscher Ingenieure, Vol.44, 1524-1530, 1572-1577, 1900.

Nash, D. F. T., “A comparative review of limit-equilibrium methods of stability analysis” , in Slope Stability, Geotechnical Engineering and Geomorphology, edited by Anderson, M. G., and Richard, K. S., pp. 11-75, John Wiley, New York, 1987.

Ng, C. W. W., and Shi, Q., “A numerical investigation of the stability of unsaturated soil slopes subjected to transient seepage” , Computer and Geotechnics, 22(1), 1-28, 1998.

Perloff, W. H., Baladi, G. Y., and Harr, M. E., “Stress distribution within and under long elastic embankments” , Highw. Res. Rec., 181, 12-40, 1967.



Phukan, A. L. T., Lo, K. Y., and LaRochelle, P., “Stress and deformations of vertical slopes in elasto-plastic rocks” , Proc. Symp. Rock Mech., 11, 193-212, 1970.

Rice, J. R., and Cleary, M. P., “Some basic stress diffusion solutions for fluid-saturated elastic porous media with compressible constituents” , Rev. Geophys. Space Phys., 14(2), 227-241, 1976.

Rulon, J. J., and Freeze, R. A., “Multiple seepage faces on layered slopes and their implications for slope-stability analysis” , Can. Geotech. J., 22, 347-356, 1985.

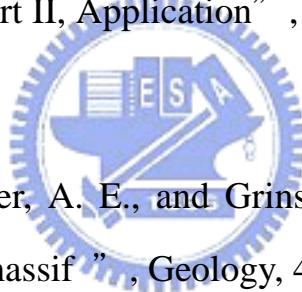
Sandhu, R. S., and Wilson, E. L., “Finite-element analysis of seepage in

elastic media” , J. Eng. Mech. Div. Am. Soc. Civ. Eng., 95(EM3), 641-652, 1969.

Savage, W. Z., H. S. Swolfs, and P. S. Powers, “Gravitational stresses in long symmetric ridges and valleys” , Int. J. Rock Mech. Min. Sci. Geomech. Abstr., 22(5), 291-302, 1985.

Silvestri, V., and Tabib, C., “Exact determination of gravity stresses in finite elastic slopes, Part I, Theoretical considerations” , Can. Geotech. J., 20, 47-54, 1983a.

Silvestri, V., and Tabib, C., “Exact determination of gravity stresses in finite elastic slopes, Part II, Application” , Can. Geotech. J., 20, 55-60, 1983b.



Sturgul, J. R., Scheidegger, A. E., and Grinshpan, Z., “Finite- element model of a mountain massif ” , Geology, 4, 439-442, 1976.

Ter-Martirosyan, Z., and Akhpatelov, D., “The stress state of an infinite slope with curvilinear boundary in the field of gravity and seepage (in Russian with English abstract)” , J. Probl. Geomech., 5, 81-91, 1972.

Terzaghi, K., “Die Berechnung der Durchassigkeitsziffer des Tones aus dem Verlauf der hydrodynamischen Spannungsercheinungen ” , Sitzungsber. Akad. Wiss. Wien Math. Naturwiss. Kl., Abt. 2A, 132, 105-124, 1923.

Terzaghi, K., “Erdbaumechanic Auf Bodenphysikalisher Grundlage” , Franz Deuticke, Vienna, 1925.

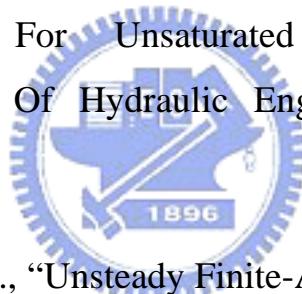
Terzaghi, K., "The shearing resistance of saturated soils" , Proc. Int. Conf. Soil Mech. Found. Eng., 1, 54-55, 1936.

Terzaghi, K., "Theoretical Soil Mechanics" , New York, pp270, 1943.

Thompson, R. J., "The Location Of Critical Slip Surfaces In Slope-Stability Problems", Journal Of The South African Institute Of Mining And Metallurgy, 93 (4), 85-95, 1993.

Tien, H. C., "Finite Analytic Method for Two-Dimensional Flow with Irregular Boundaries", PhD thesis, University of Iowa, 1993.

Tsai, W. F., and Chen, C. J., and Tien, H. C. "Finite Analytic Numerical-Solutions For Unsaturated Flow With Irregular Boundaries", Journal Of Hydraulic Engineering-ASCE, vol 119, pp.1274-1298, 1993.



Tsai, W. F., and Chen, C. J., "Unsteady Finite-Analytic Method For Solute Transport In Groundwater-Flow", Journal Of Engineering Mechanics-ASCE, vol 121, pp.230-243, 1995.

Tsai, W. F., Lee, T. H., Chen, C. J., Liang, S. J., Kuo, C. C., "Finite Analytic Model For Flow and Transport In Unsaturated Zone", Journal Of Engineering Mechanics-ASCE, vol 126, pp.470-479, 2000.

Toth, J., "A theoretical analysis of groundwater flow in small drainage basins" , J. Geophys. Res., 68(B6), 4795-4812, 1963.

Winslow, A., " 'Equipotential' Zone of Two-dimension Meshes" , J.

Comp. Phys., vol. 149, pp. 153-172, 1966.

Zienkiewicz, O. C., “Continuum mechanics as an approach to rock mass problems” , in Rock Mechanics in Engineering Practice, edited by Stagg, K. G., and Zienkiewicz, O. C., pp. 237-273, John Wiley, New York, 1968.

Zienkiewicz, O. C., “The Finite Element Method, 3rd ed.” , 787 pp., McGraw-Hill, New York, 1977.

Zienkiewicz, O. C., Humphezon, C., and Lewis, R. W., “A unified approach to soil mechanics including plasticity and visco-plasticity” , in Finite Element in Geomechanics, edited by Gudehus, G., pp. 151-177, John Wiley, New York, 1977.

