

6. REFERENCES

- Abbiss, C.P., 1979:** A comparison of the stiffness of the chalk at Mundford from a seismic survey and a large scale tank test; *Geotechnique* Vol. 29, no. 4, pp. 461-468.
- Abbiss, C.P., 1981:** Shear wave measurements of the elasticity of the ground; *Geotechnique*, Vol 31, no.1, p. 91-104.
- Allred, B.J., Redman, J.D., McCoy E.L. and Taylor R.S., 2005:** Golf Course Applications of Near-Surface Geophysical Methods: A Case Study; *Journal of Environmental and Engineering Geophysics*, Vol.10, Issue 1
- Auld, B., 1977:** Cross - hole and down - hole V_s by mechanical impulse; *Journal of Geotechnical Engineering*, Vol. 103, no. GT12, pp. 1381 - 1398.
- Baguelin F., Jézéquel, J.F. and Shields, D.H., 1978:** The Pressure meter and Foundation Engineering (First Edition). Series on Rock and Soil Mechanics (Vol. 2, No. 4): Trans Tech Publications.
- Brown, P.D. and Robertshaw, J., 1953:** The in-situ measurement of Young's modulus for rock by a dynamic method; *Geotechnique* Vol. 3, no. 7, p.283.
- Byrne G., Everett J.P., Schwartz K., Friedlaender E.A., Mackintosh N., Wetter C., 1995:** A Guide to Practical Geotechnical Engineering in Southern Africa. Third Edition, Franki, 1995.
- Classical Mechanics lecture notes, 1980:** University of Stellenbosch, South Africa.
- Clayton C.R.I. and Heyman G., 2001:** Stiffness of geomaterials at very small strains; *Geotechnique*, Vol. 51, no. 3, pp. 245-255.

Craill, C, etal, 1993: Donkerhoek (Pretoria); Resultate van alle geofisieseopnames gedoen op die terrein tot en met 31 Januarie 1993, Verslag Geologiese Opname van Suid Afrika.

Design of Small Dams, 1965: United States Department of the Interior, Bureau of Reclamation.

Darracott, B.W., 1976: Seismic surveys and civil engineering; The Civil Engineer in South Africa, February, 1976.

Davis E.H. and Poulos H.G., 1966: Laboratory investigations of the effects of sampling; Proc. Symp. on Site Investigation, Sydney, Australia.

Fourie C.J.S., 2005: Three-dimensional in-situ density estimations using a seismic technique. Africa Geoscience Review, Vol.12, no. 1&2.

Fourie C.J.S. and Cole P., 2004: Development of an In-situ Density Geophysical method using a Seismic Technique. Internal report to the CGS, report number 2004-0095.

Fourie C.J.S. and Cole P., 2004: Three Dimensional In-situ Density Estimations using a Seismic Technique. Geoscience Africa Conference, University of the Witwatersrand, Johannesburg South Africa, 12-16 July.

Franki, 1995: A Guide to Practical Geotechnical Engineering in Southern Africa. Third Edition.

Griffiths, D.H. and King R.F., 1969: Applied Geophysics for Engineers and Geologists; Pergamon Press.

Heyman G., Clayton C. R. I. and Reed T., 1997: Laser Interferometry to evaluate the performance of local displacement transducers; Geotechnique Vol. 47, no.

3, pp. 399-405.

Heyman G., 2003: The Seismic Cone Test; Journal of the South African Institution of Civil Engineering, Vol 45, no.2, p.26-31, Paper 552.

Horton, C.W., 1953: Rayleigh waves on the surface of visco-elastic solid, Geophysics Vol. 18, no.1, pp. 70-74.

Jardin R.J., Potts D.M., Fourie A.B. and Burland J.B., 1986: Studies of the influence of non-linear characteristics in soil-structure interaction; Geotechnique Vol.36, no. 3, pp. 377-396.

Kearey, Phillip and Brooks, Michael, 1991: An introduction to Geophysical Exploration, Second Edition, Blackwell Scientific Publications.

Kibble T.W.B., 1985: Classical Mechanics, Third Edition, Longman Scientific & Technical Press, London.

Kjartansson, E., 1979: Constant Q wave propagation and attenuation; Journal of Geophysical Research, Vol. 84, pp.4737-4748.

Mavko, K., Mukerji, T. and Dvorkin, J., 2003: The Rock Physics Handbook, Cambridge University Press, Edinburgh.

Moya, A., Schmidt, V., Segura, C., Boschini, I. And Atakan, K., 2000: Empirical evaluation of site effects in the metropolitan area of San José, Costa Rica; Soil Dynamics and Earthquake Engineering Vol.20, no.1-4.

Nasseri-Moghaddam, A., Cascante, G. And Hutchinson, J, 2005: A New Quantative Procedure to Determine the Location and Embedment Depth of a Void Using Surface Waves; Journal of Environmental and Engineering

Geophysics, Vol.10, Issue 1.

Safak, E., 2000: Characterisation of seismic hazard and structural response by energy flux; Soil Dynamics and Earthquake Engineering, Vol. 20, no. 1-4.

Sears, Zemansky and Young, 1987: University Physics (Seventh Edition).
Massachusetts: Addison-Wesley Publishing Company.

Shtivelman, V., Marco, S., Reshef, M., Agnon, A. And Hamiel, Y., 2005: Using trapped waves for mapping shallow fault zones; Near Surface Geophysics, Vol. 3 no.2.

Telford, W.M., 1986: Applied Geophysics, Cambridge University Press.

Thanassoulas, C. and Tsokas, G.N., 1985: A microcomputer program for Tsuboi's method of gravimetric interpretation; First Break Vol. 3, No.6, 1985.

Thorne, L, and Wallace, T C, 1995: Modern Global Seismology. San Diego: Academic Press.

Tsuboi, C., 1983: Gravity, p.254; George Allen and Unwin, London.

Turesson, A. and Lind, G., 2005: Evaluation of electrical methods, seismic refraction and ground penetrating radar to identify clays below sands – Two case studies in SW Sweden; Near Surface Geophysics, Vol. 3 no.2.

United States Department of the Interior, Bureau of Reclamation, 1965: Design of Small Dams.

Waters, K.H., 1981: Reflection Seismology, A tool for Energy Exploration, Wiley and Sons, New York.



Wilson M.G.C and Anhaeusser, C.R., 1998: The Mineral Resources of South Africa. Council for Geoscience, Sixth Edition.

Yilmaz, O, 1989: Seismic Data Processing, Society of Exploration Geophysicists, U.S.A.