

8. References

- [1] IEEE Guide for Measuring Earth Resistivity, Ground Impedance, and Earth Surface Potentials of a Grounding System, IEEE, 2012.
- [2] BS 7430:2011 Code of practice for protective earthing of electrical installations, 2011.
- [3] Ioannis F. Gonos and Ioannis A. Stathopoulos, "Estimation of Multilayer Soil Parameters Using Genetic Algorithms," *IEEE TRANSACTIONS ON POWER DELIVERY*, vol. 20, no. 1, pp. 100-106, 2005.
- [4] Lee Weng Choun, Mohd Zainal Abidin Ab Kadir, Chandima Gomes and Wan Fatinhamamah Wan Ahmad, "Analysis of Earth Resistance of Electrodes and Soil Resistivity at Different Environments," in *International Conference on Lightning Protection (ICLP)*, Vienna, Austria, 2012.
- [5] T. Islam, Z. Chik, M. M. Mustafa and H. Sanusi, "Estimation of Soil Electrical Properties in a Multilayer Earth Model with Boundary Element Formulation," *Mathematical Problems in Engineering*, vol. 2012, p. 13, 2012.
- [6] Mohamed Nayel, Boyang Lu, Yu Tian and Yingzhen Zhao, "Study of Soil Resistivity Measurements in Vertical Two-Layer Soil Model," Department of Electric and Electronic Engineering, Xi'an Jiaotong-Liverpool University, Suzhou, China.
- [7] Xiaobin Cao, Guangning Wu, Shenglin Li, Weiming Zhou and RuiFang.Li, "A Simple formula of Grounding Grid Resistance in Vertical Two-Layer Soil," in *IEEE/PES Transmission and Distribution Conference and Exposition*, Chicago, IL, USA, 2008.
- [8] Predrag D. Rancid, Zoran P. Stajic and Bojana S. ToSid, "Analysis of Linear Ground Electrodes Placed invertical Three-Layer Earth," *IEEE TRANSACTIONS ON MAGNETICS*, vol. 32, no. 3, pp. 1505-1508, 1996.
- [9] Maria Clementina Caputo and Lorenzo De Carlo, *Field Measurement of Hydraulic Conductivity of Rocks*, Bari, Italy: Intech, 2011, pp. 285-306.
- [10] Fernando Visconti and José Miguel de Paz, *Electrical Conductivity Measurements in Agriculture: The Assessment of Soil Salinity*, València, Spain: New Trends and Developments in Metrology, 2016.

- [11] Zeyad Abu Heen and Shehda Muhsen, "Application of Vertical Electrical Sounding for Delineation of Sea Water Intrusion into the Freshwater Aquifer of Southern Governorates of Gaza Strip, Palestine," *IUG Journal of Natural Studies, Islamic University, Gaza*, vol. 24, no. 2, pp. 07-20, 2016.
- [12] Adekitan Israel Aderibigbe, Isaac Samuel, Bukola Adetokun and Shomefun Tobi, "Monte Carlo Simulation Approach to Soil Layer Resistivity Modelling for Grounding System Design," *International Journal of Applied Engineering Research*, vol. 12, no. 23, pp. 13759-13766, 2017.
- [13] W. C. J. and D. L. A. X. Lu, "The electric fields and currents produced by induction logging instruments in anisotropic media," *Geophysics*, vol. 67, no. 2, p. 478-483, 2002.
- [14] H. A. Abdel-Ghany, A. M. Azmy, N. I. Elkalashy and E. M. Rashad, "Optimizing DG Penetration in Distribution Networks Concerning Protection Schemes and Technical Impact," *Electric Power System Research*, vol. 128, pp. 113-122, 2015.
- [15] "Soil - Resistivity," The Engineering ToolBox, 2013. [Online]. Available: https://www.engineeringtoolbox.com/soil-resistivity-d_1865.html. [Accessed 5 12 2019].