

## **REFERENCES**

ABB. Protection application handbook (book no.6,rev.0 ed.).

ABB. RET670 Technical reference manual (rev.B ed.).

Bertrand, P., Gotzig, B., & Vollet, C. (2001). Low impedance restricted earth fault protection.

C.H.Einvall, & J.R.Linders. (1975). A three phase differential relay for transformer protection. IEEE Transactions on Power Apparatus and Systems, PAS-94, 1971-1981.

Cashmore, R., Maiani, L., Revol, J., Cline, D., Nguyen-Khac, U., Lutz, A., et al. (2006). IEEE recommended practice for calculating short-circuit currents in industrial and commercial power systems: IEEE violet book: IEEE standard 551: Springer-Verlag.

Chapman, S. (2002). Electric machinery and power system fundamentals: McGraw-Hill.

Damjanovic, A., & Parsley, G. Modeling of transformer nonlinearities taking hysteresis into account with consuming function and the harmonic balance method.

Ebert, J. (2000). Power transformer operation at over and underexcitation, benefits and consequences. IEEE Transactions on Power Delivery, 15(1).

G.Ziegler. (2008). Transformer protection. qazvin-iran.

girgis, R. (2001). Inrush current tutorial session.

Girgis, R., & teNyenhuis, E. (2007). Characteristics of Inrush Current of Present Designs of Power Transformers.

Grainger, J., & Stevenson, W. (1994). Power system analysis: McGraw-Hill New York.

Guzman, A., J.Alture, H., & Benmonyal, G. (2004). Electric power transformer engineering: CRC press.

Hadi, S. (2007). Power system analysis: WCB/McGraw-Hill, Singapore. Electrical Engineering and Informatics Institut Teknologi Bandung, Indonesia June.

Hewitson, L., Brown, M., & Balakrishnan, R. (2005). Practical power system protection: Butterworth-Heinemann.

Horowitz, S., & Phadke, A. (2008). Power system relaying: Wiley.

Huang, S., Chung, S., Chen, B., & Chen, Y. (2002). A harmonic model for the nonlinearities of single-phase transformer with describing functions. IEEE Power Engineering Review, 22(8), 70-70.

Hunt, R., Schaefer, J., & Bentert, B. (2007). Practical Experience in Setting Transformer Differential Inrush Restraint.

IEEE. (2001). Protection and coordination of industrial and commercial power system (Vol. 242-2001).

IEEE. (2008a). IEEE Guide for Protecting Power transformer, IEEE std C37.91-2008.

IEEE. (2008b). IEEE Standard for Electrical Power System Device Function Numbers, Acronyms, and Contact Designations, IEEE std C37.2-2008.

Inc, M. w. MATLAB, student version,application setting guide

Iran electric distribution co. (1995). relay protection,no 1219. Iran: Ghods Nirou co.

Jiandong, D., Chang, W., & Jianming, Y. (2009). Study of the Inrush current identification using the improved half-cycle fourier analysis. Paper presented at the IEEE.

Kasztenny, B. (2006). Impact of transformer inrush currents on sensitive protection functions How to configure adjacent relays to avoid nuisance tripping?

Kasztenny, B., & Kulidjian, A. (2000). An improved transformer inrush restraint algorithm increases security while maintaining fault response performance.

Kasztenny, B., Sevov, L., & Jaques, A. (2004). New algorithm for low-impedance restricted earth fault protection.

Kasztenny, B., Sharples, D., Campbell, B., & Pozzuoli, M. Fast Ground Directional Overcurrent Protection–Limitations and Solutions.

Kulkarni, S., & Khaparde, S. (2004). Transformer engineering: design and practice: CRC.

Ling, P., & Basak, A. (1989). Numerical prediction of magnetising inrush current in transformers. *Physica Scripta*, 40, 246.

Mao, P., & Aggarwal, R. (2000). A wavelet transform based decision making logic method for discrimination between internal faults and inrush currents in power transformers. *International Journal of Electrical Power & Energy Systems*, 22(6), 389-395.

Mason, C. (1956). The Art and Science of Protective Relaying.

MATLAB. (2009). Help of Matlab software (Version R2009a).

Mekic, F., Girgis, R., Gajic, Z., & Ed Tenyenhuis, A. (2006). Power Transformer Characteristics and Their Effect on Protective Relays.

Nutt, W. J. M. Operation of power transformers during major power system disturbances: General Electric.

Paithankar, Y. (1997). Transmission network protection: theory and practice: CRC.

Prévé, C. (2006). Protection of electrical networks: ISTE.

Robertson, D. (1982). Power System Protection: Reference Manual Reyrolle Protection: Oriel Press Stocksfield.

Schmidt, S. (2008). Short circuit calculation. tehran-iran.

Sen, P. (2007). Principles of electric machines and power electronics: Wiley-India.

Siemens. 7UT613-63x-manual (V.4.0 ed.).

Siemens. (2008). SIPROTEC numerical protection relays.

Stringer, N., & Dalke, G. (2000). Ground-differential protection revisited. IEEE Industry Applications Magazine, 6(2), 53-58.

Sutherland, P. (2000). Application of transformer ground differential protection relays. IEEE Transactions on Industry Applications, 36(1), 16-21.

T&D, A. (2005). Network protection & Automation guide: Areva T&D.

Tan, J., & Wei, H. (2007). A New Restricted Earth Fault Protection.

Willis, H. L. (2006). Protective relaying, principles and applications.

Youssef, O. (2002). Discrimination between faults and magnetising inrush currents in transformers based on wavelet transforms. Electric Power Systems Research, 63(2), 87-94.