

A New Method for Differential Protection in Power Transformer

Harjit Singh Kainth*

Gagandeep Sharma**

*M.Tech Student, ** Assistant Professor (Electrical Engg. Department)

DAV Institute of Engineering and Technology, Jalandhar

harjit.gne@gmail.com*

gagandavietee@gmail.com**

Abstract: - This paper presents design a Clark transformation based technique for protection of transformer. It improves and enhances the sensitivity of the operation of the digital differential relay that protects Power Transformers by discriminating between inrush current and fault current. The proposed method has been simulated with MATLAB/SIMULINK with different test of operations.

Key words: differential protection, Clarke transforms.