

IMPROVED FAULT ANALYSIS METHOD USING SEQUENCE COMPONENT

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ABSTRACT

Fault analysis is the one of the most important power system calculations. It is used in designing of power system protection and determining power system stability in power system network.

Due to its important and wide application, fault analysis software is continuously being upgraded to analyze in a short time correspond to the upgrading in power system network. Thus, the software application of the fault analysis also has to be maintained constantly.

Generally this thesis will portray on improving the fault analysis by using sequence component method which is considering the type of connection of the transformer. In this thesis the transformer, specifically for Δ -Y and Y- Δ are consider in calculation of fault in positive and negative sequence. C++ programming is used in analyzing the fault.

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