FAULT LOCATION IN DISTRIBUTION GRIDS IN AN ATP APPROACH

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Abstract. Fault locators' modules based on simple reactance method, Takagi and Das modified single-end algorithms were implemented in ATP program. DFT filters are used to calculate fundamental frequency phasors of the transient voltages and currents. In the analysis the considered parameters are: line's load, fault's type and resistance and fault position along the power grid's lines.

Keywords: distribution grids, fault location, single-end algorithms, ATP simulation.