

Influence and modelling of low-frequency currents on power transformers

The transmission network is particularly affected by undesirable low frequency currents (LFC) due to the solid grounding. These currents, such as geomagnetically induced currents (GIC) and other low frequency currents, cause problems in the power transformers and have negative effects on the transmission network.

This master thesis is concerned with the investigation of LFC's in power transformers and presents a method to reproduce these in a simulation model.

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