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MATHEMATICAL MODEL OF WAVE PROCESSES IN TWO-WINDING TRANSFORMERS

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Abstract

A mathematical model has been developed to study the wave processes of two-winding transformers, taking into account the electromagnetic connections between the turns of the winding and between the windings. To solve differential-integral equations in partial derivatives, a method of separation of variables is proposed. References 12, figures 2.

Key words: transformer winding, mathematical modeling, partial derivatives, distributed parameters, impulse wave, wave processes.

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