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Optimization of High Frequency Transformer Based on Advanced Genetic Algorithm

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Traditional transformer design optimization is obviously inadequate, the main content of this paper that we should consider the high-frequency loss model, using the improved genetic theory, to achieve a fast and efficient multi-objective optimization method, and compared the result of the classic multi-objective optimal method and the NSGA II to get the most effective method which will open up new ways to design of high-frequency high voltage and high power transformer.

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