Review of: "The Application of Adjustable Magnetic Devices in Electric Power Systems"

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Potential competing interests: No potential competing interests to declare.

This research builds upon the exploration of magnetic devices with adjustable parameters, emphasizing their potential in adaptive electrical power systems. The study introduces a novel design approach reliant on interaction with magnetic fluxes, showcasing the adaptability of these devices in enhancing electricity quality. Specifically, the use of tuned inductors as magnetic devices offers broader capabilities in compensating reactive and distortion power compared to conventional solutions. The work delves into issues such as an adaptive 'passive' compensator, operational guidelines for adjustable magnetic devices, and presents findings from a laboratory model demonstrating the device's application in electric systems. This research signifies a step forward in optimizing magnetic elements for diverse electrical power applications.