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.

The article submitted for review is not new in its subject matter, but opens up new opportunities for correcting the parameters of the mode of electrical networks. It can be useful for those who deal with the quality of electrical energy in networks or improve their overall performance. The usefulness of the article would have increased significantly if the author had additionally considered the issues of quantifying the results of using the device in terms of improving the quality of energy and reducing its losses in networks.Among the positive results of the article, I would like to note an original way of obtaining a regulatory effect by superimposing two fields: regulated and not regulated. This, combined with the use of a capacitive energy storage, opens up opportunities for using resonant processes, which ensures the operation of lines in natural mode.Similar issues, only at a different level, were solved in the works of Professor V.A. Venikov, Professor M.S. Segeda. etc. However, in these works, the problem of a smooth change in the regime parameters was not solved even without taking into account resonance processes. Therefore, the work represents a new step in the field of control modes of electrical networks. However, its constructive and technical solutions require further improvement due to the large weight and size characteristics of the device, small range and low control accuracy.