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Development of recommendations on mathematical modeling of the back-pressure turbine for analyses of electromechanical transient processes.

The analysis of the influence of the back-pressure turbine simulation models on the results of the simulation of electromechanical transient processes considering frequency variation in deficient areas with heat power plants and heavy users of thermal energy.

Key-words: back-pressure turbine, heat energy consumer, electromechanical transient processes considering frequency variation, simulation model.

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