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THE LAW OF THE ELECTRIC MAGNETIC PROCESSES OF THE SECURITY EXERCISE SYSTEMS OF THE AUTONOMOUS ASYNCHRONIZED GENERATOR ON THE CASE OF THE CASCADE THREE-PHASE THREE-FLEXIBLE VOLTAGE MODULATOR

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Abstract

The laws of the course of the electromagnetic processes occurring in the contactless excitation system of the asynchronous generator on the basis of a cascade three-phase, three-phase voltage modulator on the possibility of expansion of the biphasal slip range of the generator are established. The method of correction of parameters of the rotors of the machines of the modulator and generator is offered, which allows to stabilize operation of the switch in the range

of slip $S = -1 \div +0,4$. References 4, figures 5.

Key words: asynchronous generator, voltage modulator, switch, contactless excitation system, slide.

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