

## **Modern software "RITM" for modeling processes in electric power systems.**

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The basic provisions of the theory of simulation of electric power systems with a high degree of ideality of design schemes are presented in an accessible form. The general characteristic of the software computing complex of automated modeling of processes in electric power systems is given. Simulation of the transient process of switching on an autonomous electric power system with a six-phase generator under load is performed.

*Key words: simulation, mathematical model, macromodel, software computing complex, modeling in electric power systems of arbitrary configuration.*