# ABSTRACTS

# Energy saving

On the basis of the basic structural characteristics of several types of residential buildings and modern regulatory requirements for resistance to heat transfer calculated by the identification of possible levels reduce the amount of heat the heating system.

In the article for researches the thermal and aerodynamic processes of incineration of gaseous fuel are select in a chamber combustions of GTU, which are set as a drive of supercharger of natural gas in composition gascompressor unit (GPA) of type of GTK-10 of production of NZL (Saint Petersburg, Russia). N. S. GETALO. CORRELATION MODELS FOR CALCULATING THE ENERGY CONSUMPTION

#### Power engineering

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On the grounds of analysis body forming designs turbo-alternator with air system of the cooling is offered approach to optimization massogabaritnyh parameter of the body stator. The Offered design of the power battery, which greatly reduces the massogabaritnye parameters file of the zone of the body stator and reduces the value to labour content of the montage press flange and fastening the frontal parts windings stator. The Worded complex action directed on making the optimum geometry massogabaritnyh parameter to designs of the body stator turbo-alternator with air system of the cooling.

Possibilities of development of more perfect structures of control system are in-process considered the technological processes of T9C, questions of automation of the technical diagnosticating of energyequipment and his external environments

#### Economy

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The question of the formation of competitive advantages of electrical companies using competitive benchmarking synergistic. Suggested guidelines for determining the readiness of the company for benchmarking based on performance efficiency.

Scientific and technical progress and efficiency of production

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The results of research work surface structure of silver contact materials based on metallographic and *X*-ray analysis.