

The problems of energoeffektivnosti of public production and zhilischno-kommunal'noy sphere are considered. Importance of their decision is rotined for providing of power independence and ecological safety of Ukraine.

Directions of increase energoeffektivnosti of zhilischno-kommunal'nogo economy are analysed. On the example of dwelling fund Kharkov possibility of considerable reduction of volumes of fuel and energy resources is shown on the needs of ZHKKH, introduction of energysaving measures got as a result.

On safety of transport services the certain amount of money resources, efficiency of expenses, which can be appraised the group of indexes, reflecting efficiency of influence of money charges on strength of a transport process security, is expended, both on all extent of all trackage and on the separate elements of infrastructure.

Experimental researches of influencing concentration molecules of stearin acid on the properties of working liquid taking into account treatment by its electric field are conducted. Rational concentration, at which a minimum wear of pairs of friction is is definite. A method is developed rise of resource of the hydraulic systems facilities of transport by treatment of working liquid by the electric field.

Energy

The correlation for computation of cavitational generator's heat power is found. Functioning of cavitational device as heat generator and hydraulic ram has been considered.

The problems of realization of a scheme design for underground stations heat and cold supply systems on the based of air-compression heat pumps and refrigeration units has been considered. The optimization of reversed Brayton cycle parameters with taking to account the limitations on the tunnel ventilation station temperature has been performed.

In floors considered some aspects of methods of management of the power systems the modes, the mathematical methods of analysis of static firmness are considered, attention of theory of firmness is spared for And. M. of Lyapunovu. Keywords: Methods of complete integration, methods of incomplete integration, methods of kvaziintegracii, differential methods, balance of active and reactive power aktivnoy moschnosti.

ABSTRACTS

Alternative energy sources

The multiburner system of infrared gas heating NOR-RAY-VAC are described. The advantage of this construction for heating of large-size workshops are showed.

Energyaudit

There were analyzed mane factors, affecting gas-pumping units fuel gas norms. There were proposed treatment and obtained results for calculation of gas-pumping units beginning norms specifying coefficients.

Management on an enterprise

The paper presents an algorithm of identification and rating controlling culture in the company using the model of managerial culture and testing of employees.

Scientific and technical progress and efficiency of production

In the article the method of analysis of electrical parameters of biological objects based on the method of orthogonal moments was explained.