

ABSTRACTS

Energy saving**V. M. ARSENIIEV, M. I. PROTSENKO, V. N. KOZIN, S. V. BUJANOV. CHARACTERISTICS OF THE HEAT PUMP MODE OF HYBRID THERMAL-TRANSFORMER USING NATURAL HEAT SOURCES**

Energy and operating conditions characteristics of the heat pump mode of hybrid thermal-transformer (HTT) are presented in the paper. HTT, based on the jet thermal compression module (JTC-module), is operated for the purposes of the hot water supply and heating using different low-grade heat sources. The comparison between performance efficiency of HTT with vapor compression heat pump and HTT with water boiler was implemented.....9

Energy**S. Ju. ANDREEV, I. P. FEDOROV. EXPERIMENTAL ESTIMATION OF CONFIDING SCOPES OF MEASUREMENTS OF TEMPERATURE PYROMETERS.....**

In this article researches of pyrometers of type of Fluke and NIMBUS are resulted in four temperature ranges on the different types of surface of pipelines with the purpose of determination of scopes of authenticity of measuring of temperatures on the deysvuyuschikh objects of communal economy.

S. V. ALYOKHINA, O. A. SIMBIRSKA. THE FEATURES OF THERMAL AND GAS-DYNAMICS PROCESSES IN THE STEAM TURBINE EXHAUST HOODS.....

The paper highlights the main features of thermal and gas-dynamic processes in turbine exhaust hoods. A review of studies in this field native and foreign authors was carried out. The basic features of thermal and gas-dynamic processes investigations in the steam turbines exhaust hoods was formulated. The ways of searching for the efficient design of exhaust hoods in a wide range of turbines operating modes were selected.

Ekonomy**S.A.MEKHOVICH,A.S.KOLESNICHENKO.RISK OF DEFAULT ON THE WHOLESALE ELECTRICITY MARKET UKRAINE.....43**

The problem of incomplete coverage of the financial obligations between the market participants today are an inhibiting factor for the development of both existing and prospective model of the energy market. In this article the impact of the risks of non-payment on the effectiveness of financial and economic activities of energy companies is analyzed.

G.M.KOVALENKO.FORMING OF SMALL AND MIDDLE-BUSINESS ENTERPRISE'S INNOVATIVE POTENTIAL.....49

The features of forming and development of small and middle- business enterprise's innovative potential in Ukraine are considered in the article. The dynamics of innovative activity of Ukrainian small and middle- business enterprises in recent years and priority directions of governmental support of innovative projects up to 2014p. are taking into account.

Management in an enterprise**KOCALAP S.A., GROMOVA A. O. DIAGNOSIS OF ORGANIZATIONAL CULTURE ON EXAMPLE KP "HEOHRAD"52**

The aim of study in the work there is creative methodical recommendations about assessment and diagnosis organisational culture of company.

This method of diagnosis, gives rate basic elements of organisational culture of any company, shows problematic region personal and functional connections; makes clarification of

problem and develop proposals concerning generating and development of organisational culture; rate dynamics and changes.

Scientific and technical progress and efficiency of production

G.G. Zhun'. **ENHANCEMENT OF CHARACTERISTICS OF THERMAL SUPERINSULATION IN CRYOVESSELS**.....63

The paper describes a newly developed combined thermal shielding construction composed of thermal superinsulation packets for cryovessels which eliminates "poisoning" action of cryocondensate deposited from the layers gassing products. As a result, the thermal conductivity coefficient is reduced by 14-15% and the vessel operation time is prolonged by 18-20 days.

A. I. ZAVGORODNIY, O. V. SINYAEVA. **STUDY OF ESPECIALLY HYDRAULIC REGIME PNEUMATIC VIBRATION SEPARATORS FOR DIVISION OF GRANULAR MIXTURES**.....69

An important tool in the study of new machines and is aggregates to simulate modeling of the processes occurring in them, and based on this, the choice of a rational construction. One of the tools, which allows you to get the optimal work parameters of the equipment, is a criterial modeling of researching process. Based on modeling of hydraulic processes flow in pneumatic vibration separator, managed to get a new, more rational construction of the separator.



ООО НАУЧНО-ТЕХНИЧЕСКИЙ ЦЕНТР «ЭНЕРГЕТИЧЕСКИЕ ТЕХНОЛОГИИ»

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