M. V. HVOROST, M. I. SHPIKA. HAULING ASYNCHRONOUS DRIVE IS FOR CITY ELEKTROTRANSPORTU.
Ways of perfection of the existing traction electric drive of city electric transport at the expense of introduction of the asynchronous electric drive with a microprocessor control system are shown. S. V. KYSIL. ANALYSIS OF THE USE OF FUEL AND ENERGY RESOURCES BY SEPARATE STRUCTURAL SUBDIVISION OF RAILWAY
In the article the analysis of fuel and energy resources is conducted and efficiency of the inculcated measures is appraised on separate structural subdivision of railway.
N. G. GANJA, A. V. KHIMENKO. THERMAL STORAGE AS A WAY OF IMPROVING ENERGY EFFICIENCY SYSTEMS OF HEAT SUPPLY
The possibility of thermal storage energy in traditional systems of heat supply and systems that use renewable energy sources.
Energy
T. O. KOBELEVA. MARKETING ANALYSIS OF THE STATE OF AFFAIRS OF MARKET OF ASYNCHRONOUS ELECTRIC MOTORS AND PROSPECT OF INCREASE OF THEM POWER EFFICIENCY
Alternative energy sources
Yu. DZYADYKEVYCH, R. I. ROZOOM, M. V. BURIAK INCREASING HEAT PRODUC-
TIVITY WOOD FUEL GRANULES. The paper analyzed how the withdrawal of moisture, which improve the efficiency of wood. The most promising is the ultrasound technology. It can be successfully used for the treatment of wood biomass from which produce fuel briquettes or pellets. This will significantly improve fuel heat
A. A. LITVIN, Ju. V. KURIS. DEVELOPMENT OF THE WORLD MARKET OF SOLAR ENERGY
In this article the analysis of the rapidly developed by solar energy, presents the proportion of countries in the market of solar batteries, as well as quantitative and analysis of the price of the largest producers of polycrystalline silicon is the main raw material for the production of photovoltaic
converters. Ekonomy
N. V. SIMONENKO, I. S. VESELOV. BUDGETING PROCESS AND THE ALIGNMENT OF RESOURCES IN FINANCIAL MANAGEMENT OF AGRO-INDUSTRIES
Scientific and technical progress and efficiency of production
E. L. PIROTTI, N. G. KOSULINA. GROUND OF PARAMETERS OF ELEMENT BASE OF REFLEKTOMETRA FOR MEASURING OF INDUCTIVITY OF BIOLOGICAL OBJECTS.

ABSTRACTS

The article analyzes the parameters of a stroboscopic converter of reflectometer for measurement of dielectric constant of biological objects.

The paper proves that developed by us theoretical method to determine the stabilization time of temperature field in superinsulation packet of sphere-shaped cryovessel (after filling it with liquid cryoagent) can be used for fast solution of similar issue, and also for calculation of temperature profile T(delta), in heat shielding of industrial cryovessels having other shape. As a result, both estimation of thermal characteristics of the superinsulation packet under test and selection of the most effective solution for making better cryovessels take less time.

The analysis of resonant systems for the measurement of the electrophysical properties of substances with large losses in the short millimeter and submillimeter ranges using appropriate ranges of these wavelengths.

There is a wide range of criteria and features for evaluating reliability in engineering; but as many as there are, only one of them has been chosen to evaluate reliability of Digital Protective Relays (DPR) in the technical documentation: Mean (operating) Time Between Failures (MTBF), which has gained universal currency and has been specified in technical manuals, information sheets, tender documentation as the key indicator of DPR reliability. But is the choice of this criterion indeed wise? The answer to this question is being sought by the author of this article.

Keywords: digital protective relays, reliability, mean time between failures, MTBF, gamma-percentage operating time to failure.