

BECTHIK

ГОМЕЛЬСКОГО ГОСУДАРСТВЕННОГО ТЕХНИЧЕСКОГО УНИВЕРСИТЕТА ИМЕНИ П.О. СУХОГО

НАУЧНО-ПРАКТИЧЕСКИЙ ЖУРНАЛ ИЗДАЕТСЯ С МАРТА 2000 г.

ВЫХОДИТ ЧЕТЫРЕ РАЗА В ГОД

1(24)′ 2006

CONTENTS

Mechanical engineering and theoretical engineering	
Ostrikov O.M., Nagiel S.A. The Use of Electrostatic Analogy Method for Simulating Stressed State in the Area of Local Thermal Action Novosiolov Y.A. Experimental Study of Cut Layer Deformation in Intermittent	3
Variable Cutting	13
Power engineering	
Troushnikov A.L., Radkevich V.N. Selection of Efficient Operation Mode of Power Transformers according to Minimum Loss of Active Power Criterion	23
Choubricov L.G. Multipurpose Measuring Instrument (Current, Voltage, Resistance, Inductance and Capacitance Measuring Units) Tokochakova N.V., Fikov A.S. Nomographic Evaluation of Energy Efficiency of	30
Station Technology Change for the Purpose of Minimizing Energy Consumption	37
Yelkin V.D. Electronic Protection Systems of Electric Motors and Energy Saving	43
Us A.G., Bakhmoutskaya V.V., Yelkin V.D. Comparable Conditions in Determining Energy Saving Index for Republican Unitary Enterprise «Production As-	40
sociation «Belarusneft»	49
Information science, computer engineering and control	
Karpov V.A., Kovaliov A.V. Measuring Amplifier of High Sensitivity for Ther- mochemical Data Unit	57
Karpov V.A., Rostokina O.M. Heat Flow Meter with Flow Division	61
Economics and management	
Alexeenko N.A., Gurova I.N. Main Tendencies and Priorities of the Dynamics of Foreign Direct Investments into the Economy of the Republic of Belarus	69
Gerasenko V.P., Gerasenko P.V. Correlation Analysis of Regional Factors of Human Potential Development (in Gomel Region as an Example) Korotkevich A.I., Goloub M.V. Methodological and Practical Aspects of Quan-	74
titative Assessment of Foodstuff Consumption and Its Relation to Production Pattern	85
Kovaliov V.V. Theoretical Aspects of Competitive Clusters Formation in Industrially Developed Countries and in Countries Having Transition Economy	89