**ENHANCED TRAINING in the housing sector**

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The article describes the role of the housing sector in modern society and the need to train highly qualified professionals.

Keywords: housing and communal services, higher education.

**Theoretical definitions of diagnostic parameters TECHNICAL STATE FLOW CONTROL VALVES household refrigeration compression-type appliances**

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The article describes the operational factors affecting the deteriorating condition of the domestic refrigeration compression-type appliances in use. Explore the theoretical cycle of the capillary tube domestic refrigeration unit in a changing its permeability as a consequence of operational debris deposits. Received the maximum allowable values change its temperature in the above conditions.

*Keywords:* household refrigerating appliance, operational factors, the theoretical cycle, the diagnostic parameter, the technical condition.

**SPECIALIZED DEVICE FOR THE STUDY OF LAW IN THE FUEL SUPPLY SYSTEM OF DIESEL ENGINES**

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Investigation of the basic indicators of the law in the fuel supply system of diesel engines by means of a dedicated device developed at the Department of "Cars and tractors» BSAU to determine the cyclic flow by measuring the intensity of pressure waves propagating in the length of the measuring line.

*Keywords*: apparatus, diesel, fuel, injector, injection model.

**EVALUATION OF CLIMATOLOGICAL FACTORS OF THE NORTHWESTERN FEDERAL DISTRICT FOR TECHNICAL PURPOSES**

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The study of the technical rigidity of cold and hot climate of the Northwestern Federal District to develop and improve the maintenance and repair of vehicles.

*Keywords*: technical climatic hardness, vehicles, regionalization, safety, service.

**Gas-pulse the working of the steel wound springs**

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The influence of parameters and duration of working by the pulsatory gas flow on the elastic properties of steel wound springs in this work is examined.

*Keywords:*the pulsatory gas flow, elastic properties, steel wound springs.

**COMPUTER MODELING OF THE STRESS-STRAIN STATE OF PARTS OF THE CRANKSHAFT TO EVALUATE THE RESULTS OF LASER INTERFEROMETRY OPTICALLY SENSITIVE MODELS**

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By laser interferometry study the distribution of stress, as in the models, as well as natural parts of the crankshaft engine, under the influence of inertial forces, as well as the pressing rod pin. Modern evaluation carried out by computer simulation in SolidWorks Simulation.

*Keywords:*computer modeling, stress photoelasticity, flywheel, laser crankshaft.

**ESTIMATION OF THE TECHNICAL CONDITION AND**

**REPAIR OF HULLS OF SEA-GOING SHIPS**

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Problems of an estimation of a technical condition and repair of hull of steel courts with service life of the operation above permitted standard, engaged in fishing, transportation of fish and seafood are considered.

*Keywords*: technical condition, repair, sea-going ships, tear and wear, damage, locked-up stresses

**RESEARCH OF PROCESS OF RELOCATION OF INTERNAL CAPACITY OF THE AUTOBALANCING DEVICE WITH THE FORCED-OUT LIQUID OF WASHING MACHINES**

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Theoretical bases of process of conveyance of internal capacity of the autobalancing device with the forced-out liquid of washing machines and process of formation of the counterbalancing masses are given in work. The method of calculation of critical parameters of process of conveyance of internal capacity is developed.

*Keywords*: the washing machine, a centrifugal extraction, vibration, fluctuations, the autobalancing device.

**INFLUENCE OF THE FORM OF INSULATED VOLUMESTHE HEAT LEAKAGE FROM THE EXTERNAL ENVIRONMENT**

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In article the approach in the assessment form insulated object, from the condition of minimization of the ratio of the area of the surface of an object to its volume. Justified the use of this relationship to assess the forms of buildings, structures, appliances and other objects that require insulation. Offered this respect be used as an indicator of the heat isolation of the object from the heat leakage from the external environment. Made a comparative evaluation of insulated objects per volume unit having various shapes and sizes.

*Keywords:* form insulated object, heat leakage, insulation, influence of the shape on the heat gains, household machines and appliances, buildings, structures.

**modern technology in footwear**

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Intensified hygrothermal treatment (CSI) leather shoe materials in a vacuum, which laid the basis of a selective effect on the microcapillary skin structure, represented as nanotechnology, given its distinctive features. The experimental data confirm one of the features of nanotechnology lies in the possibility of combining a number of hygrothermal operations in the manufacture of shoes sandalno fastening method with a significant reduction of energy consumption.

*Keywords*: natural skin vacuum capillaries gigrotermiya, nanotechnology, combining operations sandalno method of attachment.

**ANALYSIS OF THE MAINFUNCTIONSOF PROFESSIONAL SKI CLOTHING AT ITS DESIGNING**

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This paperis devoted to theuse of new technologiesneeded to producethe optimalconfigurations forski clothing. The articleidentifiesthe reasons behind theuse of differentmaterials and accessories,making it possible togive theproductmaximum comfortand make ita means to achievehigh results.

*Keywords:* costume, sportswear, clothingdesign, technology, functionalsportswear

**BASES OF MODULAR DESIGN IN WOMEN'S CLOTHING OF DIFFICULT FORMS**

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The possibility of using a modular design for complex model designs of clothes. Proposed sequence obtain model designs clothes using modules..The variety of modules in clothes. A specific example shows how to build a complex model design clothes with drapery. The possible ways of solving the problems of formation of complex forms of women's clothing

*Keywords:* module, modular design of clothing, technical drawing, modular design.

**INFLUENCE OF THE ERROR OF MEASUREMENT OF THE DIMENSIONAL SIGN OF DTP2 ON BALANCE OF THE FEMALE HUMERAL PRODUCT**

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The problems of incorrect application of the terms of dimensional signs and errors front-rear balance of women's garments. The analysis and measurement rules defined for the new dimension of feature - length from the highest point of the projected shoulder seam at the base of the neck, parallel to the median line in front, with the protrusion of the breast, to the level of the waist line, plumb.

*Keywords:* design of clothes, humeral product, individual consumer, dimensional signs.

**ASSESSMENT OF THE IMPACT OF SEAMS ON STRETCH SKIRTS IN THE MANUFACTURE OF CONICAL PARTS**

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The article deals with the problem of influence of vertical seams on stretch tapered skirts in the manufacture of parts. Proven instability of the length of the stitches, depending on the direction of their execution. Suggested ways to explore the stretch stitches in details in directions other than the primary, and also shows the need to adjust the details of conical skirts with seaming is already under construction.

*Keywords:* direction of the weld, conical skirts, deformation of the stretching and weight.

**THE USE OF THE METHOD ELECTROHYDRAULICALLY ANALOGY FOR SIMULATION OF ADAPTIVE DRILLING MACHINES**

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In the article the questions of optimization of adaptive drilling process method for simulating drilling machines. Set forth a new method of simulating the operation of the hydraulic drilling machine is based on an electro-hydraulic analogy. Provides information about some of the results of studies of adaptive drilling process.

*Keywords:* rotary drilling, modeling of storm deposits, electro-hydraulic analogy, optimization of drilling process.

**ENSURING DURABILITY OF INDUSTRIAL EQUIPMENT AT AN AUTOFASTENING**

**OF PIPES**

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The intense deformed condition of elements of the equipment intended for an autofastening of the pipes working in the conditions of high pressures is investigated. The main problems of ensuring durability of equipment are revealed. On an example possible ways of ensuring durability of details of equipment and knot of its attachment to a pipe are shown. Works are performed by a numerical method of the analysis of elasto-plastic tasks.

*Keywords:* autofastening, equipment, holder, bolted connection, durability, high pressure, material fluidity limit, residual deformations.

**USE OF THERMAL PUMPS IN POWER EFFECTIVE SYSTEMS OF HEAT SUPPLY**

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In article the main legislative initiatives in the field of energy efficiency and energy saving are analyzed. Possibility of use of thermal pumps for increase of energy efficiency of systems of heat supply in various regions of the Russian Federation is investigated.

*Keywords:* energy efficiency; energy saving; renewables; heat supply; thermal pumps.

**THE PROBLEM OF RECYCLING OF MUNICIPAL SOLID WASTE IN THE RUSSIAN FEDERATION**

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The article provides an overview of the international experience of waste management and considers the industry problems in Russian Federation.

*Keywords:* municipal, solid, waste, ecology.

**PROBLEMY AND PROSPECTS FOR IMPROVEMENT OF WATER TREATMENT**

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The analysis of legal documents on water treatment of drinking water. Reviewed existing domestic water purification. The attention on the dangers of drinking artificially created water. Clarified some questions on traditional methods of water purification. The review of electrochemical devices, methods of processing aqueous solutions. A method of combining reagent and electrochemical water treatment at the stage of service of housing and communal services (HCS).

*Keywords:* Provision of potable water as a national security; analysis of household water treatment plants; the danger of demineralized and recovered water; traditional water treatment methods; electrochemical methods of water treatment; the effectiveness of the combination of the reagent and electrochemical methods.

**ENERGY EFFICIENCY OF AVAILABLE HOUSING OF REGION**

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The general requirements to power efficiency of buildings are described. Results of research of factor of compactness for the buildings having the form of a rectangular prism are presented. The total structural volume is set and constant, the surface area is minimised. Indicators are led to a dimensionless sort.

*Keywords*: energy efficiency, compactness factor, cooling surfaces, heat technical characteristics of buildings.

**FEATURES USE INTERNET ADVERTISING SERVICE ACTIVITIES**

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The article deals with the use of Internet advertising in the service activity, the advantages, disadvantages and features of the advertising campaign services firms, providing them with effective activities with the aim to significantly reduce their risks associated with the cost of other types of advertising, the possibilities of making a quick maneuver to publicise their activities depending on abrupt changes in the market situation in the context of the economic crisis and increasing competition in the markets.

*Keywords:* questionnaire design, banner, branded app, video. image, and computerized advertising, click, advertising, offering, advertising site, the site, service, sales, article.