SUMMARY

UDC 658.5.512.2; 687.1.01

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FORMALIZATION OF THE DEVELOPMENT PROCESS OF THE COSTUME DESIGN BASED ON THE THEORY OF SYSTEMS PROPORCIONARIA BUILDING

The method of proporcionaria structure of suit is considerd in the article. The method is based on the theory of proporcionaria systems developed by the authors and calculative algorithm of the harmonious proportional ratios. The developed theory hase been tested on the example of an automated module proporcionaria to generate a harmonious options of the projected model-based analysis of the basic sketch and synthesis systems proporcionaria.

Keywords: design, compositional structure, system proporcionaria, suit, computer-aided design.

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UDC 72.04.01+666.3

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DESIGN AND ARCHITECTURAL APPLIANCE OF FACING CERAMIC SHEETS ON ARGILLITE-LIKE CLAY BASIS

The article considers the appliance and design of facing ceramic sheets in modern building industry. A special emphasis is given to the prospectivity and topicality of this direction. The article presents different variants of developed facing ceramic sheets according to their form, surface texture, color characteristics, combinatorial solutions, assemblage, etc. There are arguments adduced for the choice of the production raw material — argillite-like clay, together with its main characteristics and properties of received products.

Keywords: ceramics, ceramic sheets, ventilated facades, form, dynamics, texture, argillite-like clay, combinatorial solutions, aesthetics.

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UDC 687.021

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AMENDMENT OF FUR GARMENTS EASE DEPENDING ON SLEEVES CUT

The paper presents the empirical findings on the design parameters of fur clothes being retailed in the territory of the Russian Federation and studies the influence of sleeves cut on garment ease at bust-, waist- and hipline subject to the fur semi-finished products properties. It also introduces the recommendations on the choice of ease while designing fur garments of various cuts.

Keywords: natural fur garment, garment design, garment ease, sleeve cut, fur length of semi-finished product.

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UDC 7.02+621.3+621.81/82 (07)

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JEWELRY PRESENTED VISUAL COGNITIVE INFORMATION, DYNAMIC SYSTEM (VKIDS) WITH GEOMETRIC PARAMETERS ON THE BASIS OF THE DOMINANT ELEMENT OF A CIRCLE AND A SQUARE IN THE STYLE OF MODERNISM

This work investigated the artistic image generation algorithm and development of technology of manufacturing parjury, made of white and yellow gold with inlays of enamel and natural sapphires. An analysis of stylistic features of modernism and its aesthetics integrated with modern culture jewelry

Keywords: VKIDS, image, cognitive modeling, modernism, designer, jewelry.

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UDC 7.02

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IMPROVING THE AESTHETIC PROPERTIES OF JEWELRY. CHANGE THE COLOR CHARACTERISTICS OF JEWELRY AND INSERTS

Ehe study of the influence of the angle of the dockable stones jewelry colors. Identified opportunities to improve the design of the jewelry through the use of secure jewelry inserts 90^0 angle-Pavilion and 45^0-relative to the surface of the product girdle.

Keywords: jewelry, fixing inserts cover Ta_2O_5

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UDC 687.174

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DESIGN OF THE SPORTS BELT FOR MAS-RESTLINGA

Need of development of a special sports belt for mas-wrestling is proved. The sequence of design of a belt for this sport which will allow to solve the following problem — creation of the original product conforming to requirements of rules for mas-wrestling and also to allocate goods in the market and to expand the range of similar goods for fuller satisfaction of consumer demand and, thereby, involvement of masses in sports activities reveals.

Keywords: mas-wrestling, sports belt.

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UDK 679.8

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METHODOLOGY OF APPLICATION OF THE TEXTURE ON THE SURFACE OF THE PRODUCTS OF SMALL PLASTICS FROM CHALCEDON

The article raises the task of expanding the assortment of design of stone products by applying a texture to the surface of the material, for example, the treatment of minerals of the chalcedony group. Possible technologies for texturing the surface of chalcedony are considered. Influence on the final product aesthetics.

Keywords: stone, design, texture, manufacturing, gemopolichromiya, jewelry, applied art, etching, laser.

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UDC 687.01

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STRUCTURE DEVELOPMENT OF DESIGN PROCESS OF SKINTIGHT SHEATHS FOR EXPERIMENTAL COMPLEX CUT PRODUCTS MODELLING

Three stages of skintight products design are revealed. In the first phase the source data is set, such as the degree of drapeability, compartmentalization degree, etc. In the second stage the resulting bulk surface membranes are scheduled with lines of intersection to form a model detail. In the third phase produced parts plane elements are adjusted depending on the properties of the material used.

Keywords: skintight products, dissections, sheath, various properties of materials, constituent elements, drape-ability.

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UDC 674.07

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MICROSCOPIC INVESTIGATIONS OF SAMPLES WOOD PINE WITH PRESSURE PROCESSING

The deforming ability of wood is determined under local loading by a ball. The depth of plastic deformation of wood is determined depending on the diameter of the loaded ball. Microscopic photographs of the structure of pine wood before and after pressure treatment

Keywords: pine, early and late wood, compression, ball.

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UDC 675.022

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DEVELOPMENT OF A METHODOLOGY FOR DESIGNING BELT PRODUCTS FROM MATRIX ELEMENTS

Aspects of designing of waist products from matrix elements are stated in the article. Areas that cause difficulties when filling in the details of the details are determined on the basis of the analysis, and methods for designing skirts of a conical shape from discrete elements are proposed.

Keywords: belt product, design, natural tanning material, matrix element, structural parts.

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UDC 671.121.5

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EXPRESSION OF THE IMAGE OF THE OBJECT OF THE NATURE IN DESIGN OF THE EXCLUSIVE RING WITH USE OF NATURAL CRUDE MATERIAL

The result of work on creation of an exclusive ring from gold of the 750th test with use as inserts of the raw natural materials is presented: a mamontovy bone of the 3rd grade, diamond raw materials in the form of the deformed, flat crystals and diamond powder. The sketch is provided and materials for production of a ring are described. The ring represents the stylized image of Lena Pillars, the natural park recognized by UNESCO the World heritage.

Keywords: design of a jewelry, a mamontovy bone, diamond raw materials, diamond powder, 3D-design, stylization of an object of the nature.

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UDC 7.04.17

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USE OF NON-FERROUS METALS IN DECORATION OF GLASS

The article deals with the artistic technology of glass processing using non-ferrous metal filings. The aim of the work was to obtain the effect of the presence of gold in the glass structure and the transmission of various compositions with the help of shades of yellow. Tests were conducted to study the influence of various factors on the preservation of optical properties glass and physical changes in brass. Brass crumb is a waste resulting from the processing of blanks in jewelry production, so the use of this material is cost-effective. In the work examples of used technologies are given, aesthetic indicators of the quality of the received products are de-scribed.

Keywords: glass, roasting, brass, structure, color.

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UDC 687.183

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DEVELOPMENT OF PROCESSING TECHNOLOGY FOR POCKETS IN THE DOUBLE-SIDED GARMENTS FROM NUNO FELT

Ways of getting felts in the technique "Nuno felt" and specificity processing single-layer double-sided garments from Nuno felt. Nuno felt has unique properties. Usage Nuno felt allows efficient use of material and time resources in the manufacturing process double-sided clothing. Special attention is paid to processing technology for pockets. The entrance to the pockets is performed with the two sides of single layer garments of coat and suit range.

Keywords: the double-sided garments, felts, the technique "Nuno felt", properties felts, processing technology for pockets.

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UDC 687.01, 687.03, 687.023

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A METHOD OF STRENGTHENING FELTS

The existing problems of the quality of traditional felts which limit the possibility of their use for the manufacture of high quality clothing considered in article. A review of existing ways of strengthening the structure of the canvas is carried out. Their advantages and disadvantages are revealed. A method of strengthening felts is proposed. The method allows to provide high quality products with a slight increase in product cost and production time.

Keywords: felting, reinforcement, ecological, compatibility, economy, form-stability

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UDC 679.8

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TOOLING OF SLABS FROM SMALT IN THE MOSAICS MAKING

This article describes the technologies of tooling slabs from smalt by manual and machine methods, assesses the appropriateness of each technology for specific tasks, details the process of abrasive cutting smalt, and offers solutions to modernize the process of making mosaics.

Keywords: mosaic, smalt, workpiece, technology, cutting, saving, tools.

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UDC 746.25:611.781.1:398.3 (091)

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THE SEMANTICS OF NODES AND NETWORKS

The article discusses the symbolic values of the nodes and networks in different cultures.

Keywords: thread, node, network, to weave, charm, amulet, symbols.

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UDC 746.25:611.781.1:398.3 (091)

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WEDDING SEMANTICS OF THREADS, ROPES, BELTS, FABRICS

The article discusses the symbolic values of the nodes and networks in different cultures.

Keywords: thread, rope, belt, weaving products, wedding rituals, to weave, talisman, symbolism.

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UDC 539.434:677.494

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METHODS OF COMPUTER FORECASTING OF DEFORMATION PROCESSES OF TECHNICAL TEXTILES

On the basis of methods of the system analysis of viscoelasticity of polymeric textile materials computer techniques of forecasting of deformation processes of technical textiles are developed. The choice of fundamental function is made for mathematical modeling of viscoelastic processes of technical textiles according to criterion of optimality of the specified modeling.

Keywords: polymers, textile materials, viscoelasticity, deformation processes, mathematical modeling, relaxation, computer forecasting.

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UDC 539.434:677.494

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METHODOLOGY OF CONDUCTING SYSTEM ANALYSIS OF VISCOELASTIC PROPERTIES OF TEXTILE MATERIALS

Methods for studying the nonlinear hereditary viscoelasticity of polymer filaments are transferred to textile materials of a complex macrostructure. The methodology of the system analysis of the viscoelastic properties of these materials is developed on the basis of computer modeling of the same processes.

Keywords: polymers, textile materials, viscoelasticity, deformation processes, mathematical modeling, system analysis, relaxation, computer prediction.

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