

SUMMARY

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ART FEATURES OF THE ART DECO STYLE IN THE EILEEN GRAY'S FURNITURE DESIGN

Art features of the Art deco style are investigated in article: characteristic features, widespread motives; the design and a decor of furniture, the used materials, color scale. Works of the outstanding French designer of furniture and an interior — Eileen Gray who is the bright representative of new decorative style of the first half of the 20th century as an example are considered.

Keywords: art decostyle, Eileen Gray's furniture.

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UDC 7.013

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HARMONIZATION AS BASIC METHOD OF ENVIRONMENTAL DESIGN

The article deals with the harmonization as the basic method of environmental design, identify the main characteristics of the method and its structure. The article emphasizes the relevance of the use of the method of harmo-

nization used in the reconstruction (modernization) of the urban environment.

Key words: harmonization, environmental design, environmental design method.

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UDC 7.02

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VISUAL COGNITIVE INFORMATION DYNAMIC SYSTEMS (VKIDS) IN THE DEVELOPMENT OF ASPECTS OF ANCIENT CULTURE: LITERATURE, THEATRE, ART, PHILOSOPHY, AND SCIENCE IN MODERN DESIGN

A study of the influence of Greek mythology on the establishment of cognitive model of artistic images in the cluster domain objects jewelry design through the mechanism of social games.

Keywords: ancient Greek pantheon, design, jewellery, tiara, earrings, antique culture, mythology, kumatoid.

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VALUE OF KITCH IN FORMING OF ECLECTIC BASIS OF MODERN FASHION IMAGES IN FASHION INDUSTRY

It is grounded in work, that the distribution of kitch, predefined by tastes and possibilities of middle class, irreversibly became stronger and was rooted in folk the masses, where people, pursuant to conception of postmodernism of “individual choice”, became more and more sure in high meaningfulness of own opinion and taste. Argumentation is resulted that one of stylish directions, which became the most expressive materialization of eclecticism there in clothes is casual, actively influencing on forming of cloak-room on the basis of individual preferences and values of expedience. Being based on the results of previous researches of this problem, certain conformities to the law are formulated in forming of fashion suit on principles of eclecticism, which, due to cognation of eclecticism and kitch, it is possible to tie and to kitch.

Keywords: fashion industry, project appearance, kitch, eclecticism, epatazh, utility breeds, budget breeds, mass-market, retrospectiveness, combinatority, deconstructivism, imitation, “kitch glamur”.

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APPLYING OF MECHANISMS IN THE DESIGN OF EXCLUSIVE-TRANSFORMER RING

This paper presents the design of exclusive jewelry (ring-transformer) made of 750 gold with inserts from precious stones. Mobility of parts of ring performed using a spring mechanism and hinges.

Keywords: jewelry design, herbal and folk motifs, 3D-design, mechanisms to ensure the transformation.

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FEATURES OF PROJECT AND GRAPHICAL MODELLING IN THE URBAN ENVIRONMENT

The article deals with the experience of the introduction of new technologies in outdoor advertising and urban space revealing architectural and artistic metropolis of conformity in respect of urban planning environment. And as we study the use of the outdoor advertising with respect to the built environment and architecture of city buildings.

Keywords: outdoor advertising, aesthetic perception, composition, harmony.

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UDC 72/71

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DEVELOPMENT OF DESIGN ENGINEERING METHOD IN CASE OF PLACES BRANDING

The article discusses the design method of managing the brand territory, taking into account national and cultural factors for the design of the product leveling the difference between the actual identity of the territory and its perception among the outside world.

Keywords: design engineering, design management, places branding.

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UDC 141

Yu. V. Manko

PHILOSOPHIC-METHODOLOGICAL ANALYSIS OF THE CONCEPT OF "INDUSTRY 4.0"

Submitted by philosophical-methodological analysis of the new concept of production technology.

Keywords: scientific-technical revolution, information technology, production technology.

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NUMERICAL FORECASTING OF DEFORMATION-RELAXATION PROCESSES ARAMID MATERIALS UNDER VARYING TEMPERATURES

The article deals with the numerical prediction of strain-relaxation processes of aramid materials under variable temperature. A generalization of the nonlinear prediction methods and nonlinear creep relaxation in case of the processes taking place in a changing temperature by introducing into consideration the temperature and strain-time and temperature-silo-time analogies.

Keywords: aramid materials thermoviscoelastic, deformation, mathematical modeling, numerical prediction, variable temperature.

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**CONSUMER PROPERTIES,
MATERIALS AND MANUFACTURING
TECHNIQUES OF THE STANDARD
SPORTING PISTOLS GRIPS**

The article considers consumer properties of a standard sporting pistols grips depending on the material, the technology of automated production of wood the pistol

grip MP-46M, arising during milling defects. It proposes the rational values of the cutting conditions on transitions.

Key words: consumer properties, sports pistols, grips, wood, milling, elements of cutting conditions.

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**COLLECTION DESIGN
OF STAGE COSTUMES
FOR THE PLAY «THE LITTLE PRINCE»
FOR THE CHILDREN WITH DISABILITIES
AND THEIR PARENTS FROM
THEATRE «OVERCOMING»**

The article presents the results of research and practical experience with the collection of stage costumes for actors of children with disabilities. The recommendations have been tested and can be recommended for designing of children's stage costumes with considering the physiology and the requirements for tissues and costume's design as a whole.

Keywords: children with disabilities, costume, physical characteristics, requirements to the suit and the materials, construction, decoration, characters and images.

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**CROSS-FEED PITCH INFLUENCE
ON THE ROUGHNESS PROFILE HEIGHT
AND COMFORTABLE HOLDING
OF HANDLE OF SPORT PISTOL**

The possibility of obtaining relief texture of anatomical handle by changing the pitch of the cross-feed during its production are examined. The increment of cross feed eliminating the need for additional application of texture and providing comfortable holding of the handle are submitted.

Keywords: anatomical grip, orthopedic handle, step of cross-feed, embossed texture, CNC, profile height roughness.

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**THE PROPERTIES OF FELTED
CLOTHS THAT INFLUENCE FOR
A CONSTRUCTIVE SOLUTION
OF THE MODEL**

The article presents the results of research the properties of felt with different structures. It was revealed that the

shortcoming of this material is the high residual strain, resulting in poor of aesthetic quality of products. This greatly restricts the use of the material for the production of clothing. The problem can be solved choice silhouette and design solutions model. Experiments proved that the seams located on problem areas articles provide additional forms of resilience. These recommendations allow the use of felting for the production of high-quality, eco-friendly and exclusive products of the upper assortment.

Keywords: felting, reinforcement, seam, technological processing, ecology, exclusivity.

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**MAIN AREAS OF DESIGN
AND TECHNOLOGY
OF CERAMIC TILES PRODUCTION**

The main directions of the development of ceramic tiles production are given. The relevance of its decoration with degrade effects has been examined. The use of claystone-like clays as raw materials with the purpose of achievement of high physical and mechanical properties by compression molding technology was explained.

Keywords: ceramic tiles, raw materials, claystone-like clays.

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ARTISTIC AND COLOURISTIC DESIGN OF INTERIOR TEXTILES FOR STIMULATION OF CHILDREN'S COGNITIVE ACTIVITY

Based on the analysis of a number of indicators and ergonomical requirements for the formation of children's space reveal the role of textiles' Artistic and colouristic design for harmonious development of children. For example, the author's solution of the design concepts of textile products for interior decoration of children's room encouraged to use modern technology of pigment printing, to obtain many different colouristic and decorative effects. The safe use of pigment formulations containing different binders of domestic production guarantee the production of textile materials with decorative effects that permanently stimulate child development

Keywords: artistic and colouristic pigment print, decorative effects, safe pigment compositions, tactile perception, ergonomically indicators, multifunctional environment, cognitive activity of children.

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DECORATIVE ENGRAVING AND BILLING THE SURFACE OF JEWELRY AND ART PRODUCTS OF STEEL GRADE AISI316 ELECTROCHEMICAL METHOD

The dynamics of anodic formation of macro — and microgeometry of the surface of jewelry and art objects made of AISI 316 steel in solutions of neutral salts by electrochemical method. Developed technological recommendations for the implementation of the processes of electrochemical etching and billing.

Keywords: electrochemical decorative treatment; engraving and billing the surface of steel products.

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«MODERN INTERPRETATIONS OF THE TRADITIONAL PROCESSING METHODS IN FASHION DESIGN»

In the form of modern fashion design the conversion of handicraft techniques from the past is a phenomenon that periodically occurs. Patchwork style became one of the trends of 2014–2016. The article estimates the phenomenon of the arising interest in the patchwork style as handiwork, processing method, modern design technique, arts and crafts object, raised to the high art level.

Keywords: design, patchwork, fashion, collection, clothes, trends, traditional processing methods.

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UDC 7.01, 7.033, 72, 73, 74, 75

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RESTORATION AND REBUILDING OF CHURCH INTERIORS OF ANCIENT TEMPLES IN XIX — THE BEGINNING OF THE XXIst CENTURY

This article discusses the history and methodology of restoration and re-establishment of church interiors problems of ancient temples in XIX — the beginning of the XXIst century, associated with a lack of knowledge of the methodological foundations of old Russian art and architecture.

Keywords: restoration of monuments of ancient architecture, the restoration of the interiors of ancient temples, interiors of old churches of XI–XIII centuries.

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GRADUATION PROJECTS OF THE 1950–1962 AT THE CHAIR OF MONUMENTAL AND DECORATIVE PAINTING IN THE LENINGRAD HIGHER SCHOOL OF ART AND DESIGN NAMED V. I. MUKHINA

Education in «Mukhina higher school» is always characterized by high quality professional training, virtuosic,

■ Summary

original muralists performing public contracts in public buildings. The author considers the cause of the creation of the monumental department, as well as the initial stage of formation of training specificity.

Keywords: monumental and decorative painting, the Soviet monumental painting, mural, muralist.

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ASSESSMENT OF CONFORMITY ANTHROPOMETRIC DESIGNED GARMENTS WITH PARAMETERS OF THE HUMAN FIGURE IN A VIRTUAL ENVIRONMENT

The article presents an overview of the systems of anthropometric assessment of compliance of the developed models of clothes with three-dimensional models, as well as with the size of the figure. The list of controlled parameters, which is based on the anthropometric assessment of conformity to design clothing.

Keywords: virtual fitting, 3D-modeling, anthropometric compliance, dimensional signs, 3D-simulation.

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