

## ABSTRACT&amp;REFERENCES

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## DEVELOPMENT OF REQUESTS FOR DECREASING TRAFFIC BY «STREET-ART»

p. 6-9

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*Road safety is one of the main problems of our time. According to investigations of specialists, the disruption of drivers of high-speed mode is a key cause of road traffic accidents, especially within pedestrian crossings. An alternative means of coercion for drivers is provided to ensure a reduction in speed within the hazardous area – the arrangement of pedestrian crossings by the image of precautionary three-dimensional drawings as an element of street design.*

**Keywords:** road safety, pedestrian crossings, speed limitations, artificial barriers, street art.

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## GENERAL STAFF OF THE ARMY OF THE UPR (THE SPECIFICS OF ACTIVITIES IN THE CONDITIONS OF INTERNMENT IN THE CAMPS OF POLAND, 1921–1924)

p. 10-12

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*The article analyzes the specifics of the activities of the General Staff of the Army of the Ukrainian People's Republic under conditions of internment in the camps of Poland in 1921-1924., which continued to perform its functions as the main military unit for planning the development of the armed forces of the UPR and restoration of Ukrainian statehood by armed means. The staff of the General Staff took an active part in the development of new regulations for the army, carried out an examination of bills that determined the structure of the troops in the conditions of internment and in case of restoration of military actions for the restoration of the UPR, identified ways of reforming cultural and educational work in the camps*

**Keywords:** general staff, internment, camp, general, Kalisz, UPR army, Poland

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13. TSDAVO Ukrainy, f. 1078, op. 2, spr. 317, ark. 15, 22, 23.

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### DETERMINATION AND CLASSIFICATION OF SPECIFIC FEATURES OF STYLES AND IMAGES OF MODERN TATTOO

p. 13-19

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*In the article the influence of factors and features styles and images in the art of tattoo and the formation of a subjective opinion on the aesthetic development of different social groups, different in nature communities in modern society. The styles, species and subspecies of the tattoo have been analyzed, separate peculiarities and differences of techniques and specifics of the implementation of a stable image on the body. Results of research on studying directions, factors, features of stylistic decisions in progressive art of tattoos are formulated and systematized*

**Keywords:** design, styles, features, factors, types of tattoos, compositions, tattoos, image, aesthetics, social significance, tattoo artist

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### COMPARTMENTAL ANALYSIS OF THE FUNCTIONING QUALITY OF CONSORTING ECOTONES OF PROTECTIVE TYPE

p. 20-23

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*It is found that consortium ecotones of protective type – natural discrete structural units of vegetation cover, which have specific properties. It is proposed to investigate consortium ecotones of protective type with the help of compartmental analysis. It is proved that the flow of energy can be both the form of the system under study and also serve as resources (inflows into flows) into another system. At all stages of the functioning of consortium ecotones of protective type, certain pollution takes place, energy and materials are used. Eco-indicator of consortium ecotones of protective type is defined as a closed system of material flows reflected in the process tree*

**Keywords:** consortium ecotones, ecotones, compartment, mathematical modeling, indicator, energy, environmental impact

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### ADAPTIVE DETERMINATION OF DIFFUSIVE AND SPECULAR COMPONENTS OF COLORS FOR RENDERING OF FACE IMAGES OF PERSONS AT PLANNING OF PLASTIC OPERATIONS

p. 24-28

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*Formation of color components of image areas of a face is a complex computational problem, since for each pixel of a surface it is necessary to calculate the intensity of color, for which it is necessary to define single vectors to the source of light and normal to the surface. Therefore, the actual task is simplification of the procedure of painting the significant loss of the realism of the final image.*

*It is proposed to use adaptive polynomials of second and third degrees depending on the curvature of the surface to painting. For a polynomial of the third degree, an approximation formula is obtained for determining the diffuse and specular components of color. The hardware for the determination of coefficients and the approximation polynomial is proposed*

**Keywords:** rendering, diffuse and specular color components 3D image, plastic surgery, face image

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**CONSTRUCTION OF MODELS OF RESEARCH METHODS AND ANALYSIS OF DAMAGE CAUSES OF BUILDINGS AND CONSTRUCTIONS**

p. 29-35

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*This research highlights the issues related to the methods of ex-amination and analysis of the causes of damage diagnostics of the technical condition of buildings and structures. The infor-mation technology of the decision support system has been fur-ther developed, which is based on powerful analytical tools for intellectualization, which allow experts to make more plausible assessments and managerial decisions*

**Keywords:** survey methods, analysis of damage causes, techni-cal condition, category, buildings and structures

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**DEVELOPMENT OF ENERGY EFFICIENT DRYING REGIME OF STARCH-CONTAINING RAW MATERIAL**

p. 36-41

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*The article gives the classification of plant materials, focuses on starch-containing raw materials, in particular, sweet potato roots, chemical composition, existing drying methods. The results of stud-ies of heat-water treatment and the process of convective dehydra-tion of root crops are presented. Energy-efficient two-stage drying modes have been developed, in which the the air temperature in the first stage of the process is 80...100 °C, in the second – 55... 70 °C, the material temperature during dewatering 50...60 °C. Re-duction of drying time, reduction of heat losses to 15 %, production of dried products with high organoleptic characteristics*

**Keywords:** sweet potato roots, heat and moisture treatment, stage drying, chips, food powder, energy-efficient regimes

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## FIREPROOF POLYMER MATERIALS BASED ON OLEFIN COPOLYMERS. REGULATION OF PHYSICAL-MECHANICAL CHARACTERISTICS

p. 42–49

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*Determination of the influence of the modifier on the physical and mechanical properties of fireproof materials based on olefinic polymers for the cable industry. Investigation of the physical and mechanical properties of polymer compositions was carried out on a tensile machine. The effect of the amount of a modifier on the increase in the physical and mechanical properties of EVA polymer compositions was studied. These characteristics are retained by more than 80 % after aging for all test samples. The effectiveness of directed regulation of the physical and mechanical properties of fireproof EVA compositions by a structural modifier is shown. The results of the studies make it possible to quickly adjust the formulation of the compositions*

**Keywords:** modifier, ethylene-vinyl acetate copolymer, fire-retardant fillers, physical and mechanical characteristics, oxygen index

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#### ECOLOGICAL SAFETY OF MUNICIPAL WASTE OF ZHYTOMYR REGION

p. 50-53

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*Characteristics of nature protection policy in Ukraine are established. The significance of the development of environmental logistics solutions for solid municipal waste is confirmed in order to reduce the negative impact on the environment. The significance of logistics for reducing the amount of waste and achieving its financial, social and environmental goals is presented. The importance of environmental information and ecological knowledge as a special resource in innovation activity is emphasized. The characteristic features of the introduction of the ecological approach in the field of logistics are revealed*

**Keywords:** environment, ecological crisis, solid municipal waste, logistics, ecology, landfill, landfill, seasonal changes

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**PARK ZONES OF KYIV AS A SEGMENT OF MODERN INDUSTRY**

**p. 54-57**

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*The ecological development of a modern metropolis is connected with the existence of park zones, which belong to the state nature reserve fund and are protected as a national heritage. In the largest cities, the overwhelming pace of territorial growth in residential construction has a proportional impact on the dynamics of the reduction of natural-social formations such as parks and gardens. In order to preserve and restore the capital's green areas, a map has been suggested, which depicts the recreation areas, which carry the major recreational loading in a big city*  
**Keywords:** parks, green plantings, metropolis, map-scheme, park industry, nature reserve fund, environmental protection

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**ESCAPISM OF VIRTUAL REALITY AS ITS PERSONAL FEATURE**

**p. 58-60**

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*The article is devoted to the consideration of the escapism of virtual reality as its characteristic feature. An analysis of the origins of escapism is conducted as a social phenomenon, the greatest expression of which contributed to the virtualization of society. On the basis of the analysis of escapist consciousness, the common roots of escapism and virtual reality are revealed, which is expressed in the creation of “another world”, another reality, different from social reality, the ability of man to “escape” from the real commonplace*

**Keywords:** virtual reality, escapism, escapist's consciousness, computer games, micronations, social reality

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