

ABSTRACT&REFERENCES

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DETERMINATION OF NATIONAL FACTORS OF MODERN UKRAINIAN PATRIOTIC TATTOO

p. 6-9

Alexander Krotevich, Director, Design studio, Kyiv National University of Technology and Design, Nemyrovycha-Danchenka str., 2, Kyiv, Ukraine, 01011

E-mail: aleksandrr_44@ukr.net

ORCID: <http://orcid.org/0000-0002-6934-9310>

This article deals with the emergence in Ukraine of the beginning of the 21st century of a new style of Ukrainian patriotic tattoo, as one of the directions of the tattoo of contemporary artistic practice. The results of research of national and patriotic features of images of modern Ukrainian tattoo are formulated. Visual compositions, imaginative solutions of a new style when performing high-quality and highly artistic tattoos that reflect the patriotic moods of society, distinctive from the characteristic traditional factors, are identified

Keywords: tattoo, peculiarities, style, national, patriotic, compositions, forms, factors, pigment, images

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PHYSICAL MODELING OF COLUMN DISTILLING APPARATUS WITH DUAL-FLOW PLATES

p. 10-15

Gennadiy Taranenko, PhD, Associate Professor, Department of Mechanical Engineering and Equipment Industry, Volodymyr

Dahl East Ukrainian National University, Tsentralnyi ave., 59-a, Severodonetsk, Ukraine, 93400

E-mail: gtaranenko@ukr.net

A hydrodynamic simulation of the operation of dual-flow plates for a parametric series of technological lines of column distilling apparatus with different capacity for raw alcohol installed in large-diameter columns is carried out. In the hydrodynamic simulation, experimental data are used in the study of dual-flow plates, installed in a column with a diameter of 0.057 m. Experimental data are obtained on the model air-water system. The gas velocity calculated for the total cross section of the column is $w=1.5$, m/s

Keywords: parametric series, hydrodynamic modeling, column, geometric characteristics, rectification, T parameter, bifurcation

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COMPARISON OF THE RESULTS OF THE MODELING OF THE TEMPERATURE FIELD IN THE PROCESS OF BIMETAL MELTING BY THE SCANNING LASER FOR THE RAYS, WHICH FOCUSED IN THE RECTANGLE AND IN THE CIRCLE

p. 15-18

Oksana Perekipka, Department of Automation of Designing of Energy Processes and Systems, National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”, Peremohy ave., 37, Kyiv, Ukraine, 03056

Email: kusanchik@gmail.com

ORCID: <http://orcid.org/0000-0003-4280-8828>

Valery Tretyak, PhD, Associate Professor, Department of Automation of Designing of Energy Processes and Systems, National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”, Peremohy ave., 37, Kyiv, Ukraine, 03056

Email: valery.tretyak@gmail.com

ORCID: <http://orcid.org/0000-0002-5649-0892>

Anna Ostapenko, Department of Automation of Designing of Energy Processes and Systems, National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”, Peremohy ave., 37, Kyiv, Ukraine, 03056

ORCID: <http://orcid.org/0000-0001-7380-5203>

The problem of numerical simulation of temperature field in the process of bimetal melting by the scanning laser for rays focusing in a rectangle and in a circle are considered. The mathematical model of the process is a boundary problem for unsteady three-dimensional nonlinear partial differential equation in the variable domain. Comparison of results of the modeling with different laser beam shape and power distribution is made according to key characteristics

Keywords: bimetal alloy, laser melting, scanning laser, temperature field, finite difference method, through calculation

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THE INVESTIGATIONS OF EQUITABILITY OF MICROELEMENTS DISTRIBUTION IN THE VOLUME OF EMULSION TYPE SAUCES ENRICHED BY DIETARY ADDITIVES

p. 19-23

Tatyana Golovko, PhD, Associate Professor, Department of Commodity Research in Customs Business, Kharkiv State University of Food Technology and Trade, Klochkivska str., 333, Kharkiv, Ukraine, 61051

E-mail: golovko.tatyana.10@gmail.com

ORCID: <http://orcid.org/0000-0001-7059-3620>

Andrey Pak, Doctor of Technical Sciences, Associate Professor, Department of Physical and Mathematical and Engineering-Technical Disciplines, Kharkiv State University of Food Technology and Trade, Klochkivska str., 333, Kharkiv, Ukraine, 61051

E-mail: a.pak@hduht.edu.ua

ORCID: <http://orcid.org/0000-0003-3140-3657>

Vladyslav Prymenko, Postgraduate Student, Department of Commodity Research in Customs Business, Kharkiv State University of Food Technology and Trade, Klochkivska str., 333, Kharkiv, Ukraine, 61051

E-mail: primenkovlad@gmail.com

ORCID: <http://orcid.org/0000-0001-7856-6678>

Maxim Zherebkin, PhD, Assistant, Department of Refrigeration, Commercial Equipment and Applied Mechanics, Kharkiv State University of Food Technology and Trade, Klochkivska str., 333, Kharkiv, Ukraine, 61051

E-mail: Zherebkin.maxim@gmail.com

ORCID: <http://orcid.org/0000-0001-8365-0495>

Nicolay Golovko, Doctor of Technical Sciences, Professor, Department of Commodity Research in Customs Business, Kharkiv State University of Food Technology and Trade, Klochkivska str., 333, Kharkiv, Ukraine, 61051

E-mail: golovko.m.p@ukr.net

ORCID: <http://orcid.org/0000-0002-1778-4847>

The equitability of microelements distribution in the volume of emulsion type sauces enriched by dietary supplements was investigated by the EPR-method. The homogeneity of the distribution of the label and the introduced microelements of the dietary supplement in the volume of the studied food systems in the containers with dimensions up to 60 mm is proved. The insignificant effect of sedimentation on the uniformity of the structure water system and the distribution of the label and microelements of the added additive is established during the recommended storage periods

Keywords: emulsion type sauce, dietary selenium-protein supplements, system water

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FORMING OVERLAPPING OF CIRCULAR RAMPS WITH FLAT SLABS

p. 24-27

Leonid Skoruk, PhD, Associate Professor, Department of Reinforced Concrete and Stone Structures, Kyiv National University of Civil Engineering and Architecture, Povitroflotskyi ave., 31, Kyiv, Ukraine, 03037

E-mail: leotanlist@gmail.com

ORCID: <http://orcid.org/0000-0002-7362-1348>

Alexander Sibiskovsky, Postgraduate Student, Department of Reinforced Concrete and Stone Structures, Kyiv National University of Civil Engineering and Architecture, Povitroflotskyi ave., 31, Kyiv, Ukraine, 03037

E-mail: sibalexon@ukr.net

ORCID: <http://orcid.org/0000-0002-3137-0667>

Circular ramps for use in multi-storey parking garages are described. The possibility of using flat slabs to form overlapping of circular ramps is analyzed. The layout of flat slabs of circular single-track ramps is completed on one floor (turn). The strength and deformability of one flat slab are calculated. The reinforce-

ment and the drawings of the necessary structural reinforcement of the flat slab are made to form the overlap of the circular ramp

Keywords: formation, design, features, multi-storey, overlapping, circular, ramps, garage, parking, flat slabs

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RESEARCH OF THE METHODS OF THE ANALYSIS OF REVIEWS ABOUT THE GOODS OF ELECTRONICS SHOPS

p. 28-31

Olekander Vechur, PhD, Associate Professor, Department of Software Engineering, Kharkiv National University of Radio Electronics, Nauky ave., 14, Kharkiv, Ukraine, 61166

E-mail: avechur@gmail.com

ORCID: <http://orcid.org/0000-0001-9605-1475>

Oleksii Spodarets, Department of Software Engineering, Kharkiv National University of Radio Electronics, Nauky ave., 14, Kharkiv, Ukraine, 61166

E-mail: alexspodarets@gmail.com

ORCID: <http://orcid.org/0000-0003-4627-8588>

The research is devoted to the study of methods for analyzing reviews. The subject of research is the feedback on the goods. The

aim of research is analysis of the NLP methods in the context of the task of reviewing feedback. The research method is computer and mathematical modeling.

Various classes of methods of the analysis reviews about the good are considered in the work, a comparison of the forecasting results is implemented. Research results can be applied for the analysis of reviews of any store

Keywords: natural language processing, computational algorithms, data analysis, computational linguistics

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MODERN MESSENGERS AS THE ASSISTANT OF THE DATABASE ADMINISTRATOR

p. 32-36

Vadim Kozhevnikov, Senior Lecturer, Department of Computer Intelligent Technologies, Peter the Great St. Petersburg Poly-

technic University, Polytechnicheskaya str., 29, Saint Petersburg, Russian Federation, 195251

E-mail: vadim.kozhevnikov@gmail.com

ORCID: <http://orcid.org/0000-0001-5986-0820>

Oleg Sabinin, Associate Professor, Department of Computer Intelligent Technologies, Peter the Great St. Petersburg Polytechnic University, Polytechnicheskaya str., 29, Saint Petersburg, Russian Federation, 195251

E-mail: olegsabinin@mail.ru

ORCID: <http://orcid.org/0000-0001-6065-2690>

Yulia Shats, Department of Computer Intelligent Technologies, Peter the Great St. Petersburg Polytechnic University, Polytechnicheskaya str., 29, Saint Petersburg, Russian Federation, 195251

E-mail: julia7476@gmail.com

ORCID: <http://orcid.org/0000-0003-2591-9622>

This article considers usage of modern messengers and their capabilities by database administrators. The process of creating a bot, which allows the administrator to receive timely notifications about problems and errors that occurred with the database, as well as receive usage statistics, are described. The main difference from other similar products is the implementation for instant messengers, which are currently popular. The article provides a description of the development using platforms Telegram, Facebook Messenger and Slack, based on a single library

Keywords: Bot, Java, messengers, Slack, Facebook, Telegram, databases, PostgreSQL, statistics, database administration

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APPLICATION OF LINGUISTIC TECHNOLOGY FOR KNOWLEDGE EVALUATION

p. 37-40

Lyubov Badyorina, Doctor of Technical Sciences, Senior Lecturer, Department of Computer Science, Kyiv National University of Culture and Arts, Yevhena Konovaltsia str., 36, Kyiv, Ukraine, 01601

E-mail: vada@ukr.net

ORCID: <http://orcid.org/0000-0003-4366-6681>

The article proposes linguistic technology, with the help of which it is possible to realize cognitive recognition of text objects and take into account their linguistic features within the subject domain. Text processing is aimed at identifying the main components of knowledge in the text, the relationship between them taking into account the language specificity. For vocational training, in particular in the fields related to the use of accurate, semantically reliable terminology, where distortions of wording, standardized definitions of terms or lack of understanding of them may lead to deviations in the performance of professional activities, errors

Keywords: information technologies, natural language, multifunctional model, linguistic multifunctional model

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FEATURES OF THE PRECESSION OF THE TWO-FREQUENCY PENDULUM

p. 41-48

Nikolay Malafayev, PhD, Associate Professor, Department of physical, mathematical and engineering disciplines, Kharkiv State University of Food Technology and Trade, Klochkivska str., 333, Kharkiv, Ukraine, 61051

E-mail: mnt949@gmail.com

ORCID: <http://orcid.org/0000-0002-1829-089X>

An analysis of the precession of the rotational oscillations of water molecules is made using the model of a two-frequency pendulum in the entire range of its oscillations. It is found that the precession of a two-frequency pendulum in the field of inhomogeneous interaction forces is anisotropic. The largest anisotropy is observed at the critical point of the change in the type of oscillations from the two-frequency one to the single-frequency one. The manifestation of precession singularities (phase changes) in the region of two-frequency oscillations, observed for cases of small initial velocities of pendulum oscillations, is considered

Keywords: water molecule, precession, two-frequency pendulum, anisotropy, oscillation type, inhomogeneous field of forces

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«ENCOUNTERS OF SLAVIC LITERATURES ON THEIR HISTORICAL AND SPIRITUAL CROSSROADS»: D. Chyzhevsky

p. 49-55

Olga Teterina, PhD, Department of History of Ukrainian Literature, Theory of Literature and Literary Creativity, Institute of Philology of Taras Shevchenko National University of Kyiv, Tarasa Shevchenka blvd., 14, Kyiv, Ukraine, 10601

E-mail: olgateterina@ukr.net

ORCID: <http://orcid.org/0000-0002-8722-8707>

The article presents an analysis of D. Chyzhevsky's concept of comparative study of Slavic literatures. Problems of contact-genetic and typological similarity in interpretation of this emigrant scholar are thought through and specific features of approach of the researcher, first of all, as an author of comparative history of Slavic literatures, are determined. The role of scientific legacy of D. Chyzhevsky in provision of steady progress of national comparative studies, its significance for comprehension of historical-literary process in view of impossibility of full-fledged development of comparative literature in Soviet Ukraine under the pressure of ideology is investigated

Keywords: comparative method, style, Slavic literatures, influence, national peculiarity, world context

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