

Content

HYDROTECHNICAL CONSTRUCTION, WATER ENGINEERING AND WATER TECHNOLOGIES

Chuhai Ye. O., Volk P. P., Rokochynskyi A. M.	Necessity and Ways of Increasing the Energy and General Efficiency of the Functioning of Polder Drainage Systems in Accordance With Modern Changing Conditions and Requirements 3
Pinchuk O. L., Romaniuk I. V., Gerasimov Ie. G., Kunyskyi S. O., Ivanchuk N. V.	Computer Program For Calculation of Pressure Losses in Shells-Sleeves of Hydrotechnical Systems of Surface Heating Soil 16

WATER SUPPLY AND WASTEWATER DISPOSAL

Kovalchuk V. A., Kohut S. V.	Determination of the SBR Reactors Volume by the ATV-M 210 Method 31
Onyshchuk O. O., Knovets A. M.	Overview of Equipment and Units for Technical Water Supply Systems and Circulating Cooling Systems 42
Fylypchuk L. V.	Adjustment of pH in Prediction of Heavy Metals Through Pulse Dosing of Reagents in Automated Water Purification Installations ... 54

ENVIRONMENTAL SECURITY

Budenkova N. M., Korchyk N. M.	Extraction of Individual Components From the Associated Waters of Oil Fields 68
-----------------------------------	--

HEAT POWER ENGINEERING

Tymeichuk O. Y., Kostiuk O. P., Kuba V. V.	Mathematical Modeling of the Heat Exchange Process in Longitudinal Ribs of Different Profiles 79
--	--

CONSTRUCTION AND CIVIL ENGINEERING

Tkachuk O. A., Gerasimov Ie. G., Shevchuk O. V.	Aspects of the Theory of Turbulent Flow Movement in Pipelines 86
Abramov V. M.	Features of the Calculation of Road Structures From Metal Corrugated Elements 100
Onyshchenko A. M., Kovalchuk V. V., Viesich I. V., Lisnevskiy R. S.	Method of Assessing the Strength and Durability of Asphalt Concrete Coatings On Highway Bridges From Different Times of Vehicle Loading 111
Dovbenko T. O., Homon S. S., Matviiuk O. V., Pavliuk A. M.	Modification of Wood With Environmentally Clean Materials 134
Abramov V. M.	Limit Deformations of Road Buildings From Corrugated Metal 143

GEODESY AND LAND SURVEY

Yanchuk O. Y., Yanchuk R. M., Trokhymets S. M., Khytko M. M.	Experience of Creating a Building Information Model (BIM) Based on Combined Geodetic Surveys 150
---	--

ARCHITECTURE

- Potapchuk I. V. Modern Tendencies of Improvement of Adjacent Territories of Multi-Storey Residential Buildings: Domestic Experience (On the Example of Rivne) 161

OCCUPATIONAL HEALTH

- Kuskovets S. L.,
Fylypchuk V. L.,
Shatalov O. S. Analysis of the Conditions of Natural Gas Explosions in Residential Buildings and Ways of Their Prevention 175
- Dovbenko T. O. Study of Occupational Risks at the Enterprise Manufacturing Dry Building Mixtures 191

COMPUTER SCIENCES

- Shportko A. V.,
Mushyn M. M.,
Bomba A. Ya About the Object-Oriented Approach in the Process of Programming Algorithms For Solving Combinator Optimization Problems .. 199

WATER SUPPLY AND WASTEWATER DISPOSAL

- Shevchenko H. O.,
Malanchuk Ye. Z.,
Korniienko V. Ya.,
Cholyshkina V. V.,
Kurilov V. S Modern Practice of Copper Ores Dressing in Application to Basalt Copper Deposits of Volhynian Polisia of Ukraine 216

APPLIED MATHEMATICS

- Bomba A. Ya.,
Ostapchuk O. P. Consideration of Osmosis Phenomena in Modeling Processes By the Type of Filtration-Convection Using Perturbation Theory Methods 231