

Table of contents

Pavel Akimov: Choice of rational diameters of pipelines for hydraulic system of city quarter water	3
Victor Aulin, Taras Zamota: Selective wear of cuttings elements of working organs of tillage machines with realization of self-sharpening effect.....	9
Victor Belodedov, Pavel Nosko, Grigoriy Boyko, Pavel Fil, Marina Mazneva: Parameter optimization of dosator for technique culturs on the quantity intervals, close by to calculation.....	18
Vladimir Bezkorovaynyy, Pavel Ivanovskij, Valerij Yakovenko: Mathematical modeling of magnetic stray fields defects ferromagnetic products.....	25
Grigoriy Boyko: Advanced methodology of assessment of technical state of overhead type cranes	33
Alina Borzenko-Miroshnichenko: System-holistic modeling and evaluation of project-cluster management of regional educational space.....	40
Vyacheslav Chmelev: The model of decision-making about the implementation of technological innovation at the machine-building enterprise in the context of its economic security	50
Inessa Deineka, Olexsandr Riabchykov: Ratonal design modeling methods of complex surface workpiece creation	59
Alexander Golubenko, Alexander Kostyukevich, Ilya Tsyganovskiy: Wheel-rail conformal contact modeling	69
Yana Gusentsova: Flow in the main pipeline of the water-coal mixture.....	75
Yuriy Kharlamov, Maksym Kharlamov: Design concepts of gaseous detonation guns for thermal spraying	82
Pavel Kolodyazhniy: Ultrasonic testing of discontinuties of metal of gear blanks of rolling stock	92
Gennadiy Korop: Development of structure and the concept of functioning the modernized logistic system of service industrial enterprise by railway.....	99
Yuriy Kozub, Vitaliy Dyrda, Nikolay Lisitsa: Substantiation of parameters and calculation of vibration isolators	107
Alexander Kravchenko, Ievgen Medvediev: Diagnostics of the regional transport and logistic system's functioning (in the case of Luhansk region).....	115
Alexandr Kravchenko, Vladimir Verbitskiy, Valeriy Khrebet, Nataliya Velmagina: Force structure impact on the wheel module stability and oscillation process.....	126
Oleg Krol, VitalyZhuravlev: Modeling of spindle for turret of the specialized tool type SF16MF3	134
Igor Malkov, Gennadiy Sirovoy, Igor Nepran: Stress-strain analysis of metal butt connection with composite propeller blade	143
Elena Medvedieva, Alyona Evdokimova: Introformation model of the project evaluation.....	149
Sergey Myamlin, Larysa Neduzha, Alexander Ten, Angela Shvets: Research of friction indices influence on the freight car dynamics	159
Vladislav Myamlin: Searching of the ways of definition of the rational configuration of divisions of the car-repair facilities on the basis of the flexible stream on the design stage.....	167
Vadym Myroshnykov, Olga Zavalniuk, Volodymyr Nesterenko: Model of the relationship of residual magnetization and the elastic stress of ship's hulls during cargo and ballast operations	174

Tatiana Nechay, Yury Shkandybin, Alexander Klyuev, Tatiana Balitskaya, Nikita Sosnov:	
The basic principles in development of the program module for calculating time of movement of enterprise's rolling stock.....	184
Dmitriy Polovinka, Boris Nevezlyn, Anatoliy Syrtsov: Measuring device moisture content of transformer oil.....	191
Vladimir Punagin: Study of structural stresses in the monolithic concrete of natural hardening.....	201
Riabchykov Mykola, Chelysheva Svetlana, Voloshina Olga, Mokshina Olga: Thermomechanical polymer material molding techniques	208
Dmytro Rudenko: Properties of the phase components of the modified cement system	218
Lyudmila Ryabicheva, Nikolaj Beloshitskij, Dmytro Usatyuk, Yuriij Negrej: The influence of direct extrusion parameters of porous powder billets on the quality of products.....	225
Svitlana Sapronova, Viktor Tkachenko: Justification of Permissible wear parameters of Lokomotives crest wheel	234
Yuri Shekhovtsov, Leonid Zaigrayev: Feature comparison regeneration particulate filter with the catalytic coating and the use of oxidation catalyst	240
Maxim Slobodyanyuk, Igor Tararychkin, Gregory Nechayev: Structural analysis of an interregional transport network and assessment of capability for its multi-level optimization	250
Yana Sokolova: Installation criteria of the braking device in a bulk hydraulic drive	258
Nataliy Turushina, Grigoriy Nechaev, Vladimir Turushin: The use of an air cushion for the movement of goods in the shelving storage.....	264
Vitaly Ulshin, Victoria Smoliy: Management conception designer preproduction of electronic vehicles.....	270
Dmytro Vyshnevskyy, Nikolay Kasyanov, Viktor Medianyk: The ways of improving performance of industrial risk and working conditions.....	280
Sergey Yeroshin, Sergey Miroshnik: Disk induction motor free rotor stability criterion	288
Eduard Zharikov: Analysis of the theoretical and applied aspects of modern it infrastructure.....	297