

CONTENT

Technical science

<i>Kaplunov D.R., Yukov V.A.</i> Energy saving in copper ores mining operations.....	5
<i>Alekseeva L.B.</i> Determination of transient behavior characteristics in drive control of machines.....	18
<i>Belin V.A., Acheeva E.A., Getoeva E.Yu.</i> Study pirofornosti pelleted explosives pneumatic transportation	26
<i>Komissarov A.P., Prokopovich G.V., Bakhareva V.I.</i> Improving energy efficiency machines percussion	31
<i>Makarov V.N., Gorshkova N.A., Volegzhannin I.A.</i> Mathematical modeling of active control of the aerodynamics of shaft of centrifugal fans	39
<i>Makarov V.N., Patrakeeva I.Yu., Makarov N.V.</i> Genesis of perfection local ventilation fans	47
<i>Makarov N.V., Makarov V.N., Volegzhannin I.A.</i> Energy regulators for mine fans.....	54
<i>Makarov N.V., Kostyuk P.A., Patrakeeva I.Yu.</i> Dynamics ventilation modes local ventilation fans	62
<i>Rebenkov E.S.</i> The indistinct regulator of the frequency operated electric drive of the conveyor with elastic ties	68
<i>Sabirov B.F., Onishchin V.P., Potashinskiy I.M., Ratov B.T.</i> Drill bits for collaring oil and gas wells in complex geological conditions.....	76
<i>Sadykova R.M., Krapivskiy E.I.</i> Thermal design of liquefied hydrocarbon gas pipeline when halted.....	84
<i>Chernyshov A.V.</i> Geomechanical zoning of intersections of longwalls and drifts	96
<i>Shelekhov P.Yu., Gavrina O.A., Balikoeva M.S., Acheeva E.A.</i> Risk assessment of the electrification of the detonator with the explosive pnevmotekhnika cavities under conditions of varying electrical conductivity of rocks	102

Earth sciences

<i>Arkhipov A.V., Zemtsovskaya E.V.</i> Potential of waste dumps remediation in polar regions and its effect on dumping.....	110
<i>Belgorodtsev O.V., Gromov E.V., Mel'nik V.B.</i> Justification of mining methods and their design parameters under production intensification conditions when developing reserves at deep horizons of thick ore deposits	122
<i>Gorshkov M.D., Senkus Val. V., Mansurov A.L., Senkus V.V.</i> Hydraulic and mechanical-hydraulic reclamation of open pit mines	131
<i>Gushchin A.A., Ermakov A.Yu., Miroshnikov A.M.</i> The study of coal congealing during storage and transportation	140
<i>Ermakov A.Yu.</i> Dissection and preparation of powerful declivous layers.....	155

Ermakov A.Yu., Ekimov A.I., Zimens P.A., D'yakov A.A., Bystrova V.A.	
Evaluation of the influence of physico-mechanical properties of host rocks of the roof on the choice of parameters of roof bolting to ensure the safe operational condition of mine workings	162
Kozyrev A.A., Kaspar'yan E.V., Fedotova Yu.V. Concept of a unique complex geomechanical monitoring system when mining in hard rock massifs.....	168
Logacheva V.M., Mishanova V.A. Analysis of the development moscow regioncoal basin for the electrometrically prognostication karst breakthrough dangerous zones	192
Lukichev S.V., Belgorodtsev O.V., Gromov E.V. Solution of tasks on determining ore reserves, indicators of structural losses and dilution during underground mining on the basis of 3D computer modeling of mining-and-geological objects	199
Pankratova K.V. Vibration field in Saint-Petersburg	211
Khachay O.A., Khachay O.Yu., Klimko V.K., Shipeev O.V. Research of nonlinear dynamical state of rock massif according to seismic catalogue data of deep mines by technogenic influence.....	217
Kozyrev A.A., Semenova I.E., Zemtsovskiy A.V. The variants of advanced unloading zone creation on the deep levels of the Kukisvumchorr deposit	231
Moseykin V.V., Abramyan G.O., Sapronova N.P., Stolyarov M.M. Training of experts of geological survey in mining in the framework of micromine–university project	246
Ozmidov I.O. Resources and environmental performance of mining and estimation methods.....	251
Sayyidkasimov S.S., Murzaykin I.Ya. Determination of displacement of hydraulic structures and of rock blocks on tectonic faults	261
Sayyidkasimov S.S., Kazakov A.N. Classification of rhythms of social and economic development for analysis and forecast of environmental management cases.....	269
Samoylov V.I., Saduakasova A.T., Zelenin V.I., Kulenova N.A. The study of uranium sorption extraction from lake water by using natural sorptive mediums and products of their modification	283
Tkachev V.A., Chernykh V.G., Prozorova Yu.A. Research of influence of geological and mining factors on rock swelling in the floor of development headings	292
Semenova I.E. Study of the Khibiny apatite arc stress-strain state transformation at large-scale mining.....	300
Semenova I.E., Avetisyan I.M. Mining of a joining area between open and underground mining in the Rasvumchorr mine, JSC «Apatit», under rock burst hazardous conditions.....	314
Oveshnikov Yu.M., Subbotin Yu.V., Avdeev P.B., Samoylenko A.G. Averaging of quality of brown coal on the kharanorsky brown-coal deposit	326

Fedotova Yu.V., Panin V.I. Estimation of geodynamic safety in apatite mines	338
Kharitonov I.L., Remezov A.V. Research of the basic pressure on the previously passed development for shallow coal seam.....	344
Khachay O.A., Khachay A.Yu. Defining of the 2-D Surface of the anomaly stressed hierarchical object located in the layered blocked geological medium using the data of acoustic monitoring	354
Shurygin S.V., Ovseychuk V.A. Effect of the size of a chunk on washability of uranium ores by radiometric methods	366
Shurygin S.V., Ovseychuk V.A. Influence of quotient of a radioactive balance on sorbed of ores by radiometric methods.....	376
Romanchenko S.B., Kosterenko V.N., Timchenko A.N. The use of modern technical means of dust control for the production of special assessment of working conditions	382

Projects in mining

Sokolovskiy A.V., Lapaev V.N., Pikalov V.A. Classification of rhythms of social and economic development for analysis and forecast of environmental management cases.....	388
--	-----

Works of young scientist

Zolotova N.V., Shchedrova D.A. The analysis of structure and dynamics of investment precious coins issue	397
Krasyukova E.V. Features liquidation and conservation of quarries on the diamondiferous deposits in Yakutia.....	405
Metkin D.M. The influence of geological and economic reasons of uselessness for oil on the evaluation of their investment attractiveness.....	410
Tang Xuwei The competitive ability of enterprises of oil and gas complex of Russia and China	420

Special editions GIAB

Lisovsky V.V., Grishin V.Yu., Kuletskiy V.N. and other Improvement activities to ensure production safety in coal mines	61
Gorinov S.A., Maslov I.Yu., Bragin P.A., Ilyakhin S.V. Evaluation of influence of presence of liquid fuel and moisture in the solid phase of granemites on the heat of their explosive decomposition.....	167
Gayazov R.R., Znaemskiy Yu.A., Kadyshev V.S., Lopatin V.I., Marinin I.A. Some aspects of the evaluation of residual life of existing pipelines.....	268
Gayazov R.R., Znaemskiy Yu.A., Kadyshev V.S., Marinin I.A. Safety analysis of hazardous production facilities and the effectiveness of the industrial safety expertise.....	365