

CONTENT

Technical science

<i>Bolobov V.I., Chupin S.A.</i> To improve the strength characteristics of buildings cutters cutters using the method of equal channel angular pressing.....	5
<i>Gamov M.I., Nastavkin A.V., Vyalov V.I.</i> Results of using scanning electron microscopy for analysis of mineral matter in coal.....	10
<i>Dmitriev V.G., Sergeeva N.V., N.Yu. Ivanov</i> Traction calculation tubular belt conveyor with curved spatial alignment	24
<i>Eremenko Yu.I., Poleshchenko D.A., Glushchenko A.I., Pozharskiy Yu.M.</i> About the opportunity of wet self-grinding mill filling degree evaluation as a result of neural network spectrum analysis of its pin vibroacceleration signal	38
<i>Efimenko S.V., Merzlyakov M.Yu., Klavdiev A.A., Trushnikov V.E.</i> Development of concept of method of accelerated experiments to find a grouting composition mixes for building wells in permafrost	48
<i>Zemlyanoy M.A., Razorenov Yu.I., Zemlyanoy S.A., Zemlyanoy V.M.</i> validation of operating regime in chalk clay mining in three directions laterally and depthwards (for example, Novorossiysk chalk clay deposit)	57
<i>Klavdiev A.A., Trushnikov V.E., Garanin D.A., Efimenko S.V., Vdovin O.V.</i> Information and statistical methods of the assessment of efficiency of investment projects	68
<i>Kuznetsov Yu.N., Stadnik D.A., Stadnik N.M., Volkova Yu.V.</i> Theoretical bases of formation and implementation of targeted-oriented information base for aided design process of mine	77
<i>Shabarov A.N., Abramov M.Yu.</i> Objectives for development of test bench for projection meter	88
<i>Levenson S.Ya., Gendlina L.I., Morozov A.V., Usoltsev V.M.</i> Improvement of dumping in open pit mining.....	96
<i>Moldagozhina M.K.</i> Self-propelled machine for transportation and application of shotcrete mixture on the mine working surface	106
<i>Nazina K.S.</i> Innovative regional clusters such as priority areas for development industry in Russian Federation	114
<i>Pens I.Sh., Igoshkina L.V.</i> The board of directors in corporate governance: the russian practice and international standards	122
<i>Pikina E.V., Chibinev N.N., Chibinev K.N., Shmat'ko M.E.</i> Basic requirements for software of robot rescuers	135

<i>Ponomarenko Yu.V., Popov L.N., Streltsov V.I.</i> New technology of guaranteeing of industrial security at watery deposits of mineral resources.....	139
<i>Sinev S.V.</i> Mechanisms, methods and ways of destruction of rocks in rollerbit drilling	149
<i>Teryekhin E.P., Bulgakov I.S.</i> Improvement of pumping equipment for hydraulic transport of iron ore concentrate	160
<i>Khalkechev R.K., Khalkechev K.V.</i> Mathematical modeling elastic fields of the contact stresses in polycrystalline geomaterials	163
<i>Khalkechev R.K., Khalkechev K.V.</i> Mathematical modeling of the experiment on the deformation and fracture of polycrystalline geomaterials in the experiments on microbrasserie under uniaxial compression.....	173
<i>Khalkechev R.K.</i> About one widespread error of using finite element method when determining of the geomaterials stress-strain state	182

Earth sciences

<i>Algebraistova N.K., Markova A.S., Prokopyev I.V., Razvyaznaya A.V.</i> Preparation of bulk concentrates for selection circuit	187
<i>Aptukov V.N., Vaulina I.N., Macheret A.M.</i> Estimation method of current and future condition of water proof formation by development of verkhnekamskoye potash salt deposit	196
<i>Borzakovskii B.A., Rusakov M.I., Shilov A.V.</i> Prospects for application of geotubes for disposal of clay-salt sludge in potash plants.....	207
<i>Brigadin I.V., Segen A.V.</i> About one element mechanism of detonation	217
<i>Vakulenko I.S., Smirnov V.I., Surin S.D.</i> Experience of construction and prospects for the use of underground storages for drilling waste in permafrost	222
<i>Tenison L.O.</i> Prediction of vertical deformations of ground surface in conditions of flooded mine Berezniki 1.....	230
<i>Romanov V.V., Poserenin A.I., Dronov A.N., Mal'skiy K.S.</i> Review of geophysical methods to detect mechanical damages in rock mass around excavations	243
<i>Ruchkin V.I., Konovalova Yu.P.</i> Dependence between dynamics of the intense deformed geological environment and technogenic impact on a natural tectonic state of rock massif at the mining enterprises.....	250
<i>Vorobyova S.V.</i> Evolution of the crystal base and formation multicomponent deposits of clumpy granite areas.....	260

Golynskaya F.A., Smirnova O.S., Nikonov R.A. Prediction of spontaneous combustion of coal in a coal seam 19 of the field of mine «Raspadskaya» Kuznetsk basin	281
Dzhuraev R.U., Merkulov M.V. Experimental study of the heat capacity of downhole when drilling explorations wells with air purge.....	288
Isachenko A.A., Rib S.V., Voloshin V.A., Fryanov V.N. Assessment of geomechanical condition of rock mass in the vicinity of slopes of adjacent coal seams using numerical finite element modeling.....	194
Lushpey V.P., Soboleva E.E. Estimation of ecological risk during exploitation of pavlovskogo lignite deposit	303
Mikhaylov N.P., Znamenskiy E.A., Brigadin I.V., Gubaydullin V.M., Golub M.V. Development of technologies of destruction of rocks implosive shock waves.....	313
Nikolaev P.V., Shuplik M.N. Rationale for choosing heat transfer liquid for artificial ground freezing.....	320
Radzhabov M.M. research of segregation of different density and size particles in vibrational and gravitational concentrator	333
Rumyantseva V.A., Tantsov P.N. Forecasting transient gas conditions using transient characteristic of mined-out area	340
Sekisov A.G., Myazin V.P., Lavrov A.Yu., Goncharov D.S. Features of intercrystalline and interphase diffusion processes in activation heap leaching of dispersed gold	348
Solov'ev V.O., Shvedov I.M., Kel'ner M.S. The use of solid fuel cassette explosive devices to destroy large asteroids.....	358

Works of young scientist

Abramov M.Yu. Selecting electronic vertical sensing unit for mine-surveyor projection meter	372
Vcherashnyaya Yu.V. Evaluation of the bearing capacity of the attachment of deep ventilation shaft equipment.....	379
Zamyatin A.L. Diagnostic method highways on landslides coal cut	389
Kpakpo Gi Characteristic, structure and dynamics of government finance in the Republic of Côte d'Ivoire.....	395
Mel'nichenko A.M. Special aspects of dilution evaluation in underground mining of thin deposits.....	408
Solovyev A.M., Solovyev I.M. Assessment of the energy efficiency of variable-frequency electric rig SKB-4.....	413

Special editions GIAB

<i>Gulyashinov P.A., Paleev P.L., Gulyashinov A.N., Antropova I.G.</i> Kinetic features of output of arsenic in roasting gold-quartz-arsenic ore	206
<i>Badanov K.A., Gusinsky K.N., Vasetskiy A.F., Vyl'ih A.S.</i> The use of associated gas	347
<i>Gayazov R.R., Sremski Yu.A., Kadyshev V.S. and other.</i> Analysis of accidents and injuries petrochemical industry	394
<i>Kosyanov V.A., Koryakina N.A.</i> Methodical bases of formation mining and metallurgical cluster in South Yakutia	418
<i>Klivitkin G.V.</i> Iron ore industry in brazil: the impact of domestic market specifics and chinese market conditions	419
<i>Aleksandrov A.V., Rasskazova A.V., Vylegzhanina E.V. and other.</i> Problems of extraction and processing of mineral raw materials of Far East Region	420
<i>Kalinchenko V.M., Rudenko V.V., Shurygin D.N. and other.</i> The problems of mine surveying and geodetic support of mining operations.....	421

The deposited manuscripts

<i>Morozova T.V., Levchenko A.A.</i> Evaluation of securities in the russian and international financial reporting standards	9
<i>Nguyen Viet Dinh</i> Justification zone settings equilibrium state of rocks around the mining and determination of design parameters bolting in the field Khecham	339