

C O N T E N T S

ARCHITECTURE AND URBAN PLANNING

Polyakov E.N., Belokoneva D.A. The Temple of Apollo Epicurus in Bass (Tomsk)	9
Tumanik A.G. Features of Architecture of Saint Ascension Cathedral in the Town of Verny (Almaty) (Novosibirsk)	23
Kolosova I.I., Shkiro E.A. Analysis of Constructive Decisions Applied in the Designing Practice of Capsular Type Objects (Tomsk)	39

BUILDING STRUCTURES

Andreyeva P.I., Shablinskiy G.E. Study of Railway Traffic Influence on the Vibrations of the Nearby Building “Helicopters From Russia” (Moscow)	53
Zinatullin A.V., Kovalchuk O.A. Special Feature of Dynamic Responses of Structural Elements in High-Rise Buildings (Moscow)	59
Borodin A.I. About the Problem on Cargo Moving by Lifting Cranes (Tomsk)	65
Kumpyak O.G., Galyautdinov Z.R., Maksimov V.B. Research of Reinforced Concrete Slabs Leaning on a Countour on Rigid and Pliable Supports at Short-Term Dynamic Loading (Tomsk).....	69
Hojiboev A.A. The Numerical Decision Algorithm of Dynamic Flat Problem of Theory of Elasticity (Moscow)	77
Karaush S.A., Kuznetsov A.V. Effect of Metal Facade Systems on Geomagnetic Field of Indoors (Tomsk)	83
Kopanitsa D.G., Abzaev Y.A., Sarkisov Yu.S., Klopotov A.A., Melyokhin E.A., Gorbanyova T.D. Analysys of Factors Influencing on the Operational Characteristic of Borehole Cable (Tomsk)	88
Matvienko O.V., Daneyko O.I., Moreva T.A. Determination of Shape of Free Surface Formed at Flow Around Bridge Piers (Tomsk)	101

BUILDING MATERIALS

Sarkisov Yu.S. Binding Materials Based on Oxide Systems (Tomsk)	108
Kopanitsa N.O., Kovaleva M.A. Particular Qualities of Peat Structures as a Basis for Building Materials (Tomsk)	119
Yankovsky L.V. Estimation of Firmness of Concrete Structures Operated under the Influence of Climate (Perm)	125
Venik V.N., Nedavniy O.I., Osipov S.P., Yadrenkin I.G. Mathematical Model of Cube-Chaped Crushed Stone Taking into Account the Flakiness Of Grains (Tomsk)	139
Lotov V.A., Kutugin V.A. Centrifugal Mixer Disintegrator at Preparing the Concrete Mixes (Tomsk)	149
Skripnikova N.K., Sazonova N.A., Baranova A. A. Thermodynamical Analysis of Clinker Formation Processes under Condition of Low Temperature Plasma (Tomsk, Angarsk)	157
Safronov V.N., Kugaevskaya S.A. The Time Factor in the Technology of Cycle Magnetic Activation of Mixing Water of Mineral Binders (Tomsk)	163
Kudyakow A.N., Kopanitsa N.O., Prishepa I.A., Shangin S.N. Constructional and Heat-Insulating Foamconcretes with the Thermommodified Peat Additive (Tomsk)	172
Lukashevich V.N., Lukashevich O.D., Hariy R.I. Fractal Model of Reinforcing Structures Formation in Subgrade from Dispersed Reinforced Materials, Strengthened by Inorganic Binders (Tomsk)	178
Anikanova L.A., Nikitina O.V., Derzhanskaya E.V. Composite Binders for Finishing Materials (Tomsk)	189

CONSTRUCTION TECHNOLOGIES AND MANAGEMENT

Titov M.M., Nedavniy O.I., Kuznetsov S.M., Serov M.Yu. Estimation of Organizational-Technological Reliability of Building Machines at Concrete Making (Novosibirsk, Tomsk)	196
Ananin V.G. Results of Experimental Research and Simulation of Working Equipment of Bucket Excavator (Tomsk)	205

WATER SUPPLY, SEWERAGE, BUILDING SYSTEMS OF PROTECTION OF WATER RESOURCES

Kurochkin E.Yu., Orlov Yu.A., Borodina K.V. Effective Water Treatment in Small Settlements Taking into Account Characteristics of the West Siberian Region (Tomsk)	214
Nikitenkov A.N., Dutova E.M., Pokrovsky D.S. Cartography and Estimation of Morphometrical Characteristics of River Basins of Mountain Areas on the Basis of SRTM Data (Exemplified by the Northern Part of Kuznetsky Ala-Tau) (Tomsk)	223
Manankov A.V., Kara-Sal I.D. Ecological and Geochemical Conditions of Soil Cover in Kyzyl (Tuva Republic) (Tomsk, Kyzyl, Tuva)	232

BEDS AND FOUNDATIONS

Fursov V.V., Balyura M.V. Research of Frost Resistance of Ashes and Slag Waste of Thermal Power Stations for Construction Purposes (Tomsk)	242
Polischuk A.I., Samarin D.G., Filippovich A.A. Results of Modelling Processes of Interaction of Foundations with Clay Soil (Krasnodar, Tomsk)	253

DESIGNING AND ENGINEERING OF ROADS, METROPOLITAN RAILWAYS, AERODROMES, TUNNELS AND BRIDGES

Cao V.L. Estimation of Defects in Reinforced Concrete Beam Spans and Bridge Deck of Maintained Road Bridges in Central Area of Vietnam (Voronezh)	260
Ivanova L.G., Makarov N.M., Erbyagin I.F. Principles of Regional Zoning and Calculation of Characteristics Of Soils as Exemplified by the Central Yakutia (Yakutsk)	267
Lanis A.L., Han G.N. Modification of Geoenvironment Model for Solving the Problem of Soil Mechanics by Discrete Element Method (Novosibirsk)	273