



CONTENT

MATHEMATICS

- Batkina N.V., Timofeeva I.A.*
Hamiltonian restrictions of the three-body problem 5
- Bodrenko A.I.*
Some properties of elliptic operators 15
- Bodrenko I.I.*
On hypersurfaces with cyclic recurrent the second fundamental form in Euclidean space 23
- Gulmanova E.A., Klyachin A.A., Mazepa E.A.*
Generalized solutions of the Dirichlet problem for the stationary Schrodinger equation
on Riemannian manifolds 36
- Popov V.V.*
On the holls and antyholls in rotatable graphs 41
- Kharlamov M.P., Savushkin A. Yu.*
Geometrical approach to the separation of variables in mechanical systems 47
- Sharapov V.G.*
Measurable partitions generated by quasiendomorphisms of Lebesgue space 75

APPLIED MATHEMATICS

- Demin A.S.*
The decision of the problem of vertical cloud falling to the inclined plane 80

CHEMICAL PHYSICS

- Fedunov R.G., Rakhimova O.S.*
The influence of intermolecular interactions in water-salt solutions on their freezability..... 89

Konkova E.P., Zatrudina R.Sh.

Modeling of oscillatory components of tryptophan absorption spectrum by gauss distribution 94

Konkova E.P., Zatrudina R.Sh.

Changes of nicotinamid absorption spectrum in water solution 98

PHYSICS OF LOW-DIMENSIONAL STRUCTURES

Ivanchenko G.S., Nevzorova Yu.V.

Temperature dependence of conductivity of the double walled graphene 102

RADIO PHYSICS

Dolgacheva S.A., Tsapkov Yu.A.

The fm-rangefinder signal processing with using neural networks 107

Glukhov A.Yu., Neginsky I.V.

Research of the method of recovering the parameters of linear homogeneous substances experimentally measured frequency dependence of the surface impedance 113

Perchenko S.V., Stankevich D.A.

Hall-sensors defectoscope 118

Kvochkin A.I.

The analyzer of spectra of noise signals on the basis of PLD 127

Kvochkin V.I., Gndojan I.A.

Modernisation of slot-hole lamp SLF VEB Carl Zeiss Jena 132

Ignatjev V.K., Nikitin A.V., Yushanov S.V.

About the uniqueness of quasiharmonious representation 137

Ignatjev V.K., Nikitin A.V., Khramov S.V.

The analyzer of resistance of erythrocytes 151

ABOUT THE AUTHORS 158