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Авторы будут награждены дипломами.

On the Robin eigenvalues of the Laplacian in the exterior of a convex polygon

K. Pankrashkin

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Crystallization behavior and morphological features of YFeO₃ nanocrystallites obtained by glycinenitrate combustion

V.I. Popkov, O.V. Almjashaeva, V.N. Nevedomskiy, V.V. Sokolov, V.V. Gusarov.

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Neutron scattering from graphene oxide paper and thermally exfoliated reduced graphene oxide

E.F. Sheka, I. Natkaniac, V. Mel'nikov, K. Druzbecki.

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Cryometry and excess functions of the adduct of light fullerene C₆₀ and arginine – C₆₀(C₆H₁₂NaN₄O₂)₈H₈ aqueous solutions

M.Yu. Matuzenko, A.A. Shestopalova, K.N. Semenov, N.A. Charykov, V.A. Keskinov.

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Dependence of the dimension of the associates of water-soluble tris-malonate of light fullerene — C₆₀ [= C(COOH)₂]₃ in water solutions at 25 °C

K.N. Semenov, N.A. Charykov, A.S. Kritchenkov, I.A. Cherepkova, O.S. Manyakina, D.P. Tyurin, A.A. Shestopalova, V.A. Keskinov, K.V. Ivanova, N.M. Ivanova, D.G. Letenko, V.A. Nikitin, E.L. Fokina, M.S. Gutenev.

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From metamaterials to metasurfaces and metadevices

Yu. S. Kivshar

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On some application of boundary control method to spectral estimation and inverse problems

S.A. Avdonin, A.S. Mikhaylov, V.S. Mikhaylov

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On the derivation of the Schrodinger equation with point-like nonlinearity

C. Cacciapuoti

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Heat-stimulated transformation of zirconium dioxide nanocrystals produced under hydrothermal conditions

O. V. Almjasheva

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Cryometry and excess functions of fullerenols and trismalonates of light fullerenes – $C_{60}(OH)$ and $C_{70}[=C(COOH)_2]_3$ aqueous solutions

M.Yu. Matuzenko, D.P. Tyurin, O.S. Manyakina, K.N. Semenov, N.A. Charykov, K.V. Ivanova, V.A. Keskinov

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Intra pseudogap and superconductivity pair spin and charge fluctuations and underdome metal-insulator (fermion-boson) crossover phenomena as keystone of curate physics

B. Abdullaev, D.B. Abdullaev, C.-H. Park, M.M. Musakhanov

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Degradation of perovskites and Dexter-Varley paradox

B.L. Oksengendler, S.E. Maksimov, M.B. Marasulov

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The lateral capacitance of nanometer MNOSFET with a single charge trapped in oxide layer or at SiO₂-Si₃N₄ interface

A.E. Atamuratov, U.A. Aminov, Z.A. Atamuratova, M. Halillaev, A. Abdikarimov, H. Matyakubov Nanosystems: Physics, Chemistry, Mathematics. 2015. V. 6. (6), 837-842.

Waveguide bands for a system of macromolecules

V.M. Adamyan, I.V. Blinova, A.I. Popov, I.Yu. Popov

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The optical properties of the cobalt nanoparticles in the transparent condensed matrices

M.V. Ananyeva, A.V. Kalenskii, A.A. Zvekov, A.P. Nikitin, I.Yu. Zykov

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Periodic chain of disks in a magnetic field: bulk states and edge states

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Analytical benchmark solutions for nanotube flows with variable viscosity

I.V. Makeev, I.V. Blinova, I.Yu. Popov

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Entropic sampling of star-shaped polymers with different number of arms: temperature dependencies of structural properties

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Estimation of the contact area of solids by electrothermal analogy

E. D.Eidelman

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Nanodisperse oxide compounds of iron formed in the FeSO₄ - KOH - H₂O - H₂O₂ system (4.0 ≤ pH ≤ 13.0)

D.A. Zhrebtsov, V.Sh. Mirasov, D.G. Kleshev, E.V. Polyakov

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Time-dependent quantum graph

D.U. Matrasulov, J.R. Yusupov, K.K. Sabirov, Z.A. Sobirov

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A linearized model of quantum transport in the asymptotic regime of quantum wells

B.L. Oksengendler, S.E. Maksimov, M.B. Marasulov

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Polarization characteristics of radiation of atomic ensemble under coherent excitation in the presence of a strong magnetic field.

A.G. Petrashen, N.V. Sytenko.

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Tunneling in multidimensional wells

T.F.Pankratova

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On the Stokes flow computation algorithm based on Woodbury formula

A.I. Popov, I.S. Lobanov, I.Yu. Popov, T.V. Gerya

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