

Bogolyubov Kyiv Conference "Problems of Theoretical and Mathematical Physics"

Thursday 26 September 2024

Morning Session 3 - 322 (10:00-13:30)

time	[id] title	presenter
10:00	[97] Analytical Description of Size Effects, Strains and Ferro-ionic Coupling in Si-Compatible Nanosized Ferroelectrics	Prof. MOROZOVSKA, Anna
10:20	[12] Sagnac effect in solids	Dr SHARAPOV, Sergei
10:40	[51] Impurity-induced localized modes in parallel Josephson junction arrays	Ms BUKATOVA, Daryna
11:00	[30] Recursive Method for Calculating T-Matrix of Electron Scattering on Arbitrary Many-Particle Clusters in Strongly Correlated Systems	Dr SHATNII, Tatiana
11:20	[63] Stimulating excitable membrane of ORN with stochastic Markov process	VIDYBIDA, Oleksandr
11:40	[45] Development and analysis of novel integrable nonlinear dynamical systems on quasi-one-dimensional lattices. Parametrically driven nonlinear system of pseudo-excitations on a two-leg ladder lattice	Dr VAKHNENKO, Oleksiy O.
12:00	Coffee break	
12:30	[3] Dynamics of correlations of many colliding particles	Prof. GERASIMENKO, Viktor
12:50	[57] Kinetic model of the formation of STM-induced electrofluorochromism in molecular junctions	KAPITANCHUK, Oleksiy
13:10	[117] Polarization mechanism of bacteria motion in aquatic media	Dr CHERNIAK, Oleksandr