International Conference "Mathematical Modeling and Computational Physics, 2017" (MMCP2017)

Friday, 7 July 2017

Computer Algebra and Quantum Computing with Applications (II) - 310 (12:30 - 14:00)

time	[id] title	presenter
12:30	[68] Provable programming of algebra: arithmetic of fractions	Dr MESHVELIANI, Sergei
12:45	[73] A NEW APPROACH TO WEIGHT MULTIPLICITY IN REPRESENTATIONS OF COMPACT LIE GROUPS	Dr LOUTSIOUK, Anatoli
13:00	[74] Finite difference schemes as algebraic correspondences between layers	MALYKH, Mikhail
13:15	[75] Diffraction of electromagnetic waves on a waveguide joint	MALYKH, Mikhail
13:30	[52] Near-perfect matchings on cylinders $C_m \times P_n$ of odd order	Dr PEREPECHKO, Sergey
13:45	[84] Computing Gröbner and Involutive Bases for Linear Systems of Difference Equations	Mr YANOVICH, Denis

Computer Algebra and Quantum Computing with Applications (II) (14:30 - 16:30)

time	[id] title	presenter
14:30	[88] Automation of stochastization algorithm with use of SymPy computer algebra library	Ms DEMIDOVA, Anastasya Mr GEVORKYAN, Migran
14:45	[126] Generation and analysis of the second order difference scheme for the Korteveg-de Vries equation	MARINOV, Konstantin
15:00	[136] Finding the spectral characteristics for systems with control	Dr KULYABOV, Dmitry
15:15	[138] The standard scheme of the analysis of a stability through Lie symmetries and conservation laws: a nonlinear Schrodinger equation.	Mr RIKHVITSKY, Viktor
15:30	[146] An application of geometric methods to the one-step processes stochastization	Dr KULYABOV, Dmitry
15:45	[167] Computer algebra algorithms of simplification of tensor expressions	Dr KRYUKOV, Alexander
16:00	[31] The system of n-order Riccati equations: derivation, solutions, applications.	Dr YAMALEEV, Robert
16:15	[185] Creating Development environment and based on it versions of the computer algebra systems AXIOM, REDUCE and MAXIMA	Dr RAPORTIRENKO, A.