

Analysis, Geometry and Topology Department

Annual Scientific Session 2019

December 10, 2019, IMI, Hall 478

Chair: Blagovest Sendov

9:30 Opening

9:40 Oleg Mushkarov – Partial integrability on twistor spaces

10:00 Ralitza Kovacheva – On overconvergent subsequences of closed to rows classical Pade approximants

10:20 Jordanka Paneva-Konovska – Hyper-Bessel functions: Integration and differentiation of arbitrary orders

10:40 Velichka Milousheva – Surfaces with Parallel Normalized Mean Curvature Vector Field in Pseudo-Euclidean 4-Spaces

11:00 Coffee break

Chair: Oleg Mushkarov

11:20 Nikolai Nikolov – Strong localization of invariant metrics

11:40 Nikolay Ikononov – Scientific achievements in 2019

12:00 Zhivko Atanassov – Miscellany

12:20 – 13:30 Lunch

Chair: Ralitza Kovacheva

13:30 Stefan Ivanov – Heterotic supersymmetry and equations of motion

13:50 Gueorgui Raykov – Spectral shift function for magnetic quantum Hamiltonians

14:10 Stoyu Barov – Reconstruction of sets in Hilbert space l^2

14:30 Virginia Kiryakova – Critical notes: Fractional calculus operators of special functions

14:50 Coffee break

Chair: Virginia Kiryakova

15:10 Stepan Tersian – Homoclinic Solutions for Fractional Hamiltonian Systems via Variational Method

15:30 Peter Petrov – Topological analysis of big data of polypeptides

15:50 Antoni Rangachev – Algebraic theory for continuity of meromorphic functions

16:30 Party