

International conference in memory of M.K. Polivanov

Polivanov-90

Steklov Mathematical Institute of Russian Academy of Sciences,

Moscow, 16–17 December 2020

Wednesday, December 16

10:00	A. Pogrebkov	Opening
10:05	D. Kazakov	RG equations for the scattering amplitude in general theories
10:45	A. Mikhailov	Quantisation of nonabelian dynamical systems. Quantisation ideals.
11 : 25 – 11 : 40Coffee break		
11:40	I. Volovich	Locality in quantum field theory and quantum information
12:20	I. Arefeva	Non-local observables
13 : 00 – 14 : 30Lunch		
14:30	V. Pavlov	Transition amplitude in quantum field theory and Hilbert’s 6 problem
15:00	V. Belokurov	The relation between Wiener and Schwarzian functional integrals
15 : 30 – 15 : 45Cofee break		
15:45	G. Kravtsova	Algebraic quantum theory
16:15	A. Filippov	Mathematical models of cosmology
16 : 45 – 17 : 00Coffee break		
17:00	A. Sergeev	Topological insulators invariant with respect to time reversal
17:30	D. Bykov	Sigma models as Gross–Neveu models
19:00Memorial party		

Thursday, December 17

10:00	S. Dobrokhotov	Airy functions and uniform transition from the oscillator to semiclassical approximation for one-dimensional bound states
10:40	A. Belavin	Periods of BHK mirrors
11 : 20 – 11 : 40 Coffee break		
11:40	V. Zakharov	ZM integrable system via dressing method (relativistic invariant version)
12:20	D. Lebedev	On quantum $osp(1 2l)$ -Toda chain
13 : 00 – 14 : 30 Lunch		
14:30	L. Fehér	Trigonometric real form of the spin RS model of Krichever and Zabrodin
15:00	A. Zabrodin	KP hierarchy and Calogero–Moser hierarchy
15 : 30 – 15 : 45 Coffee break		
15:45	A. Gorsky	TT deformation of 2d Yang–Mills theory at large N : collective field theory and phase transitions
16:15	V. Sokolov	Matrix Painleve-2 equations
16 : 45 – 17 : 00 Coffee break		
17:00	I. Krichever	Conformal harmonic maps of two-torus to spheres and turning point of elliptic Calogero-Moser system
17:30	L. Chekhov	Cluster variables for affine Lie–Poisson systems
18:00 Discussions		