

Sino-Russian Hybrid Conference

Geometry and Physics

Monday 28.08.2023 ZOOM-ONLINE, Moscow time

10:00-11:00	On the atomic decomposition from quantum multiplication and its applications	Maxim Kontsevich , IHES, France
11:15-12:15	Canonical Hermitian Metrics and non-Kähler Calabi-Yau Threefolds	Shing-Tung Yau , YMSC, Tsinghua University
14:00-15:00	A parallel reality looks at generalized geometry	Ludmil Katzarkov , Miami University, USA, NRU HSE, Russia
15:30-16:30	Smooth DG algebras and twisted tensor product	Dmitri Orlov , Steklov Mathematical Institute of RAS, Russia

Tuesday 29.08.2023 ZOOM-ONLINE, Moscow time

10:00-11:00	Crystals arising from the WKB analysis	Xiaomeng Xu , Beijing University, China
11:15-12:15	Global dynamics of the N-body problem	Jinxin XUE , Department of Mathematics, Tsinghua University, China
14:00-15:00	Generalized Frobenius manifolds with non-flat unity and bihamiltonian integrable hierarchies	Youjin ZHANG , Department of Mathematics, Tsinghua University, China
15:30-16:30	Modularity for W-algebras and affine Springer fibers	Peng SHAN , YMSC, Tsinghua University, China

Wednesday 30.08.2023 Moscow Usacheva street Bld. 6, room 427

10:00-11:00	Integrable systems on moduli spaces of flat connections over surfaces	Nikolai Reshetikhin , YMSC, Tsinghua University, BIMSIA China
11:15-12:15	Automorphic asymmetry and moduli spaces	Valery Gritsenko , Lille University, France, NRU HSE, Russia
12:30-13:00	Coffee break	
14:00-15:00	Gauged linear sigma models for mirrors of singular double covers and their noncommutative resolutions	Mauricio Romo , Tsinghua University, China
15:30-16:30	Tropical mirror	Andrei Losev , NRU HSE, Russia

Thursday 31.08.2023 Moscow Gubkina street Bld. 8

10:00-11:00	One-nodal degenerations of Fano threefolds	Aleksandr Kuznetsov , Steklov Mathematical Institute of RAS, Russia)
11:15-12:15	3D birational geometry and special classes of conic bundles	Viacheslav Shokurov , Johns Hopkins University, USA, Steklov Mathematical Institute of RAS, Russia
12:30-13:00	Coffee break	
14:00-15:00	Complex geometry via twist closed enhancements.	Alexey Bondal , Kavli Institute, Japan, Steklov Mathematical Institute of RAS, MIPT, Russia
15:30-16:30	Extensions of stable vector bundles on projective manifolds and Inequalities for Chern classes (joint work with E. Lukzen and V. Zhgouon)	Fedor Bogomolov , NYU, USA, NRU HSE, Russia

<https://ms.hse.ru/en/geometry-physics2023>