

**International Conference on Mathematical Physics**  
**in Memory of Academic V.S. Vladimirov**  
*November 23–27, 2020, online*  
Steklov Mathematical Institute, Moscow

**Monday, 23 November**

22:00–22:45 (JST) 16:00–16:45 (MSK) 14:00–14:45 (CET) 08:00–08:45 (NYT) 05:00–05:45 (PDT)	<p>Valery Kozlov (Steklov Mathematical Institute of RAS) Linear system with quadratic invariant as the Schrodinger equation</p>
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22:50–23:35 (JST) 16:50–17:35 (MSK) 14:50–15:35 (CET) 08:50–09:35 (NYT) 05:50–06:35 (PDT)	<p>Vsevolod Sakbaev (Moscow Institute of Physics and Technology) On the operator approach to the weak convergence of measures and limit theorems</p>
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23:45–00:30 (JST)	<p style="text-align: center;"><b>Anatolii Gushchin</b> (Steklov Mathematical Institute of RAS)</p> <p><b>Extensions of the space of continuous functions and its application to the Dirichlet problem for elliptic equations</b></p>
17:45–18:30 (MSK)	
15:45–16:30 (CET)	
09:45–10:30 (NYT)	
06:45–07:30 (PDT)	

00:30–01:15 (JST)	<p style="text-align: center;"><b>Oleg Smolyanov</b> (Moscow State University)</p> <p><b>Quantum anomalies and differential properties of generalized Lebesgue-Feynman measures</b></p>
18:30–19:15 (MSK)	
16:30–17:15 (CET)	
10:30–11:15 (NYT)	
07:30–08:15 (PDT)	

01:15–02:00 (JST)	<p style="text-align: center;"><b>Luigi Accardi</b> (Universita' di Roma Torvergata)</p> <p><b>The Stochastic Limit as mathematical theory of quantum transport, dissipation and decays</b></p>
19:15–20:00 (MSK)	
17:15–18:00 (CET)	
11:15–12:00 (NYT)	
08:15–09:00 (PDT)	

## Tuesday, 24 November

22:00–22:45 (JST) 16:00–16:45 (MSK) 14:00–14:45 (CET) 08:00–08:45 (NYT) 05:00–05:45 (PDT)	<p>Dmitry Treschev (Steklov Mathematical Institute of RAS) Quantum heavy particle in a periodic potential</p>
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22:50–23:35 (JST) 16:50–17:35 (MSK) 14:50–15:35 (CET) 08:50–09:35 (NYT) 05:50–06:35 (PDT)	<p>Mikhail Katanaev (Steklov Mathematical Institute of RAS) Point disclinations in the geometric theory of defects</p>
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23:45–00:30 (JST) 17:45–18:30 (MSK) 15:45–16:30 (CET) 09:45–10:30 (NYT) 06:45–07:30 (PDT)	<p>Victor Zharinov (Steklov Mathematical Institute of RAS) Binary relations and fuzzy logic</p>
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00:30–01:00 (JST) 18:30–19:00 (MSK) 16:30–17:00 (CET) 10:30–11:00 (NYT) 07:30–08:00 (PDT)	<p>Lyudmila Efremova (Moscow Institute of Physics and Technology) On the partial integrability property of maps obtained by small smooth perturbations of skew products</p>
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## Wednesday, 25 November

22:00–22:45 (JST) 16:00–16:45 (MSK) 14:00–14:45 (CET) 08:00–08:45 (NYT) 05:00–05:45 (PDT)	<p>Alexander Holevo (Steklov Mathematical Institute of RAS) Multimode quantum Gaussian observables: structure and capacities</p>
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22:50–23:35 (JST) 16:50–17:35 (MSK) 14:50–15:35 (CET) 08:50–09:35 (NYT) 05:50–06:35 (PDT)	<p>Armen Sergeev (Steklov Mathematical Institute of RAS) Topological insulators invariant under time reversal</p>
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23:45–00:30 (JST) 17:45–18:30 (MSK) 15:45–16:30 (CET) 09:45–10:30 (NYT) 06:45–07:30 (PDT)	<p>Alexander Aptekarev (Keldysh Institute of Applied Mathematics) Multiple Orthogonal Polynomials with respect to Hermite weights: applications and asymptotics</p>
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00:30–01:15 (JST) 18:30–19:15 (MSK) 16:30–17:15 (CET) 10:30–11:15 (NYT) 07:30–08:15 (PDT)	<p>Sergey Dobrokhotov (Institute for Problems in Mechanics RAS) Asymptotics of Hermitian type orthogonal polynomials: real semiclassical approximation for the asymptotics with complex-valued phases</p>
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01:15–01:45 (JST)  
19:15–19:45 (MSK)  
17:15–17:45 (CET)  
11:15–11:45 (NYT)  
08:15–08:45 (PDT)

**Khachatur Khachatryan**  
(Yerevan State University, Institute of Mathematics NAS)  
**On alternating solutions of a class of multidimensional  
integral equations with convex nonlinearity**

01:45–02:15 (JST)  
19:45–20:15 (MSK)  
17:45–18:15 (CET)  
11:45–12:15 (NYT)  
08:45–09:15 (PDT)

**Nikolay Marchuk and Dmitriy Shirokov**  
(Steklov Mathematical Institute of RAS, National Research  
University Higher School of Economics, IITP RAS)  
**On some equations modeling the Yang-Mills equations**

## Thursday, 26 November

22:00–22:45 (JST) 16:00–16:45 (MSK) 14:00–14:45 (CET) 08:00–08:45 (NYT) 05:00–05:45 (PDT)	<p>Andrei Shafarevich (Moscow State University)</p> <p>Localized asymptotic solutions of hyperbolic systems, homogeneous Lagrangian manifolds and modifications of Maslov canonic operator</p>
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22:50–23:35 (JST) 16:50–17:35 (MSK) 14:50–15:35 (CET) 08:50–09:35 (NYT) 05:50–06:35 (PDT)	<p>Pavel Exner (Doppler Institute for Mathematical Physics and Applied Mathematics in Prague)</p> <p>On the discrete spectrum of soft quantum waveguides</p>
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23:45–00:15 (JST) 17:45–18:15 (MSK) 15:45–16:15 (CET) 09:45–10:15 (NYT) 06:45–07:15 (PDT)	<p>Evgeny Zelenov (Steklov Mathematical Institute of RAS)</p> <p>p-Adic quantized calculus and ideals of compact operators</p>
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00:15–00:45 (JST) 18:15–18:45 (MSK) 16:15–16:45 (CET) 10:15–10:45 (NYT) 07:15–07:45 (PDT)	<p>Alexander Zubarev (Samara University)</p> <p>TBA</p>
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00:45–01:15 (JST) 18:45–19:15 (MSK) 16:45–17:15 (CET) 10:45–11:15 (NYT) 07:45–08:15 (PDT)	<p style="text-align: center;"><b>Farrukh Mukhamedov</b> (United Arab Emirates University) <b>A Quantum Markov Chain approach to Phase Transitions for quantum Ising model with competing XY-interactions on a Cayley tree</b></p>
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01:15–01:45 (JST) 19:15–19:45 (MSK) 17:15–17:45 (CET) 11:15–11:45 (NYT) 08:15–08:45 (PDT)	<p style="text-align: center;"><b>Goran Djordjevic</b> (University of Nis) <b>Classical and Quantum Dynamics of DBI Type Lagrangians in p-Adic Context</b></p>
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## Friday, 27 November

22:00–22:45 (JST) 16:00–16:45 (MSK) 14:00–14:45 (CET) 08:00–08:45 (NYT) 05:00–05:45 (PDT)	Igor Volovich (Steklov Mathematical Institute of RAS) Integrability of quantum theory and categories
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22:50–23:35 (JST) 16:50–17:35 (MSK) 14:50–15:35 (CET) 08:50–09:35 (NYT) 05:50–06:35 (PDT)	Branko Dragovich (Institute of Physics Belgrade) Cosmology of nonlocal gravity
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23:45–00:15 (JST) 17:45–18:15 (MSK) 15:45–16:15 (CET) 09:45–10:15 (NYT) 06:45–07:15 (PDT)	Alexey Koshelev (Universidade da Beira Interior, Covilhã) Analytic infinite derivative field theories: classical and quantum aspects
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00:15–00:45 (JST) 18:15–18:45 (MSK) 16:15–16:45 (CET) 10:15–10:45 (NYT) 07:15–07:45 (PDT)	Ekaterina Pozdeeva (Skobeltsyn Institute of Nuclear Physics MSU) Cosmological attractor in Einstein-Gauss-Bonnet gravity
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00:45–01:15 (JST) 18:45–19:15 (MSK) 16:45–17:15 (CET) 10:45–11:15 (NYT) 07:45–08:15 (PDT)	Evgeniy Shavgulidze (Moscow State University) Polar Decomposition of the Wiener Measure and the Schwarzian Theory
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**Closing**