

Conference program
„Function Theory, Operator Theory and Quantum Information Theory“

September 28 (Moscow time)

09.50 -10.00. Conference opening.

Online

10.00 - 10.20. Bikchentaev A.M. *On commutators of measurable operators.*

10.25 - 10.40. Mokeev A.S. *On non-commutative operator graphs generated by positive operator valued measures.*

10.45 - 11.05. Sinel'shchikov D.I. *Linearizability criterion and first integrals for Rayleigh-like oscillators.*

11.10 - 11.30. Kronberg D.A. *On some collective actions of participants in quantum communication protocols.*

12.00 -12.40. Pechen A.N. *Uncomputability of discrete quantum control.*

12.45 - 13.05. Morzhin O.V. *On Time-Minimal Control Problems, Reachable Sets and Machine Learning Control of Evolution of Density Operator for an Open Two-Level Quantum System.*

Offline

13.40 - 14.00. Novokshenov V.Yu. *Discrete integrable equations and the Riemann problem.*

14.05 - 14.25. Suleymanov B.I. *A typical feature of the dual assembly in the solutions of the equations of gas dynamics and the correction effect of small dissipation on it.*

14.35 - 14.50. Shavlukov A.M. *The peculiarity of the umbilical type of solution of one system of equations of gas dynamics.*

14.55 - 15.10. Pavlenko V.A. *On a Hamiltonian system of Kimura.*

15.15 - 15.35. Musin I.Kh. *On Fourier-Laplace transformation of generalized functions.*

Online

15.40 - 16.00. Gumerov R.N. *On the grading of semigroup C^* -algebras.*

16.05 - 16.20. Lipacheva E.V. *C^* -algebras generated by extensions of semigroups.*

September 29 (Moscow time)

Offline

09.00 - 09.20. Gaisin A.M., Gaisin R.A. *The inequality of T. Bang and extremal problem of E.M. Dyn'kin.*

09.25 - 09.45. Isaev K.P., Yulmukhametov R.S. *Unconditional bases in radial Hilbert spaces.*

09.50 - 10.05. Gaisin R.A. *Incompleteness of a system of exponentials with Fejér gaps.*

10.10 - 10.25. Shakirov I.A. *On the logarithmic approximation of the fundamental characteristic of the Fourier operator.*

10.30 - 10.50. Isaev K.P., Trunov K.V., Yulmukhametov R.S. *Equivalent norms in Hilbert spaces with an unconditional basis of reproducing kernels.*

10.55 - 11.10. Napalkov V.V., Napalkov V.V. (Jr.). *On conditions of the coincidence of transformations of linear continuous functionals in Hilbert spaces with reproducing kernel.*

11.15 - 11.30. Gaisina G.A. *Ritt type theorem for series of exponentials.*

11.35 - 11.50. Sitdikov A.S. *Constraints by isospin superselection rules in the transmission of quantum information.*

Online

12.00 - 12.40. Malyutin K.G. *Extremal problems in theory of entire and subharmonic functions.*

12.45 - 13.05. Kabanko M.V. *Geometric criteria for the interpolation of a divisor in spaces of functions of finite order in a half-plane.*

13.10 - 13.30. Makhmutov S. *On the Growth of Dirichlet Integral for Some Function Spaces.*

13.35 - 14.05. Imomov A.A. *On a convergence rate to invariant measures in Markov Branching Processes with infinite variance and allowing immigration.*

14.10 - 14.50. Abanin A.V. *Topological structure of a family of composition operators in Bergman spaces.*

14.55 - 15.15. Teretenkov A.E. *Non-Markov dynamics in the rotating wave approximation at finite temperature.*

15.20 - 15.35. Litvinov V.L. *Analysis of vibrations of a non-uniform rope of variable length by the Riemann method.*

18.00 - 18.40. Levenberg N. *Polynomials associated to non-convex bodies..*

September 30 (Moscow time)

Offline

09.00 - 09.40. Nasyrov S.R. *Spaces of ramified coverings of a sphere by compact Riemann surfaces of genus 0 and 1.*

09.45 - 10.10. Alekseeva H.S., Rassadin A.E. *Conformal mapping of domains on the phase plane and coherent states.*

Online

10.20 - 11.00. Holevo A.S. *TBA.*

11.15 - 11.55. Kapustin V.V. *The Riemann zeta function and kernels of Toeplitz operators.*

12.00 - 12.40. Avkhadiev F.G. *Criteria for the existence of finite constants in basic integral inequalities..*

12.50 - 13.30. Efremova L.S. *C^0 and C^1 -perturbations of C^1 -smooth simplest skew products and C^0 - Ω -blowup.*

13.35 - 14.15. Sakbaev V.Zh. *Phenomenon of gradient blow-up of solutions of nonlinear for the Schrödinger equation and dynamics of quantum states.*

14.20 - 15.00. Sukhov A. *Polynomially convex hulls near Levi-flat singularities.*

15.05 - 15.25. Novikov S.Ya. *Estimate of a spark of equiangular frame.*

15.30 - 16.10 Melikhov S.N. *Invariant subspaces of the backward shift operator in spaces of holomorphic functions.*

16.15 - 16.30. Ivanova O.A. *On the commutant of the generalized backward shift operator in weighted spaces of entire functions.*

October 1 (Moscow time)

11.00 - 11.40. Lyubarskii Yu.I., Belov Yu.S. *Bases in function spaces on convex domains.*

11.45 - 12.25. Sergeev A.G. *Yang–Mills equations in S^4 and harmonic spheres in loop spaces.*

12.50 - 13.10. Abuzyarova N.F. *On zero (sub) sets of functions that are invertible in the sense of Ehrenpreis in the Schwartz algebra.*

13.15 - 13.55. Amosov G.G. *On calculating of the transmission capacity of the quantized Weil channels.*

14.00 - 14.40. Baranov A.D. *Spectral theory of rank one perturbations of normal operators*

14.45 - 15.05. Kozyrev S.V. *Genome as a functional program.*

15.10 - 15.30. Lyakhov K.A. *Criterion for finding the conditional minimum of the objective function associated with the iterative extraction of target zirconium isotopes using the laser selective deceleration of condensation.*