

Alexander Belyaev

Fundamental solutions of differential equations in infinite-dimensional spaces

In this talk we discuss distributions and analytic measures on infinite-dimensional spaces and their properties. In particular, Pali-Wiener type theorems are established for both generalized functions and generalized measures.

Matthew Bernard

Limit Topology in Vertex Operator Algebras of Higher Genus

Airat M. Bikchentaev

Commutation of projections and characterization of tracial states on von Neumann algebras

We continue investigations of [1]-[4], setting a new criteria for commutativity of projections and new characterizations of tracial functionals on von Neumann algebras. Acknowledgments. The research was funded by the subsidies allocated to Kazan Federal University for the state assignment in the sphere of scientific activities, projects 1.1515.2017/4.6 and 1.9773.2017/8.9.

References

[1] A.M. Bikchentaev, Commutativity of projections and trace characterization on von Neumann algebras. Sib. Math. J. 51(6), 971-977 (2010). [2] A.M. Bikchentaev, Commutativity of projectors and trace characterization on von Neumann algebras. II. Math. Notes 89(3-4), 461-471 (2011). [3] A.M. Bikchentaev, The Peierls Bogoliubov inequality in C^* -algebras and characterization of tracial functionals. Lobachevskii J. Math. 32(3), 175-179 (2011). [4] A.M. Bikchentaev, Commutation of projections and characterization of traces on von Neumann algebras. III. Internat. J. Theoret. Phys. 54(12), 4482-4493 (2015).