Coordinators: Prof. Alexey Karapetyants, Prof. Vladislav Kravchenko

JOIN THE SEMINAR

26 December 2024, 6 pm (UTC+3)

Geometry of convex sets in spaces of homogeneous polynomials

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The necessary and sufficient conditions under which the cone of positive homogeneous polynomials between vector lattices coincides with the closed convex hull of the set of sums of monomials in lattice homomorphisms are found. Incidentally the answer for the following question is established: when the cone of positive multilinear operators between vector lattices serves as a point-wise uniformly closed convex hull of the set of lattice multimorphisms.

*Seminar website: https://msrn.sfedu.ru/sl. The seminar uses Microsoft Teams online platform.
Please send questions to ademp.seminar@gmail.com (Tatiana Andreeva, scientific secretary).

The seminar is organized by the coordinators Alexey Karapetyants and Vladislav Kravchenko within the activities of the Regional Mathematical Center of the Southern Federal University in collaboration with Institute of Mathematics, Mechanics and Computer Sciences of the Southern Federal University and the OTHA research group in Operator Theory and Harmonic Analysis.

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