

Algebras of symmetric analytic functions and their spectra

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Let X be a complex Banach space and G be a group of isometric operators. We consider the algebra of G -invariant (symmetric) analytic functions on X and its spectrum (the set of complex-valued homomorphisms). We investigate topological and algebraic structures on the spectrum for the case when $X = \ell_1$ and G is the group of permutations of the basis vectors in ℓ_1 . Spectra of algebras of symmetric analytic functions were considered in [1, 2]. In the talk will be also discussed some Hilbert space topology on the set of symmetric analytic functions which was introduced in [3] and corresponding Hilbertian structure on the set of multiplicative functionals.

REFERENCES

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