

Isomorphic classification of tensor products of power series spaces

I give a survey of results (mainly of Chalov, Djakov, Terzioğlu and myself) about isomorphic classification of tensor products of power series spaces with power series spaces of different kind or with a dual power series spaces. In particular, it will be discussed a fresh result (of Peter Chalov and myself) on the criterium of the isomorphism on the special family of such spaces: $E_0(\exp \alpha i) \hat{\otimes} E_\infty(\exp \beta j)$, which solves quite old problem. Most of results are based on linear topological invariants, especially, multirectangular compound invariants.