

Uniqueness, homogeneity, and universality of the noncommutative Gurarij space

December 8th, 2014

Canadian Mathematical Society Winter Meeting

Special Session on Operator Algebras and Operator Spaces

The noncommutative Gurarij space is the operator space analog of the Gurarij Banach space introduced and studied by Oikhberg. We prove that such an operator space is unique up to complete isometry, homogeneous, and universal for separable 1-exact operator spaces. This result is obtained as an application of the Fraïssé theory for metric structures recently developed by Ben Yaacov.