

Arveson's Hyperrigidity Conjecture: Partial results and a new counterexample

Marcel Scherer (University of Saarland, Saarbrücken, Germany)

The talk is about the hyperrigidity of operator systems. Despite being disproven by Bilich and Dor-On, Arveson's hyperrigidity conjecture remains open in the case of operator systems in commutative C^* -algebras.

We will present new results on the hyperrigidity of the operator system given by the continuous affine functions on compact convex subsets in \mathbb{R}^2 . Additionally, we present a finite-dimensional operator system in a noncommutative C^* -algebra that contradicts Arveson's conjecture.