

Department of Mathematics, BGU

Operator Algebras Seminar

On Wednesday, November ,26 2025

At 13:00 – 14:00

In 201

Marcel Sherer (Technion)

will talk about

A C^* -Cover Lattice Dichotomy

Abstract: C^* -covers of operator algebras, first studied by Arveson about 50 years ago, remain a vibrant area of research. Recently, Adam Humeniuk and Christopher Ramsey studied the lattice of C^* -covers of operator algebras, focusing on its structure and on whether this lattice uniquely determines an operator algebra up to completely isometric isomorphisms.

In my talk, I will give an introduction to operator algebras and their C^* -covers, and answer the question of whether there exists nontrivial operator algebras with a one point lattice. Additionally, I will characterize the possible cardinalities of the lattice of C^* -covers. This is a joint work with Adam Humeniuk and Christopher Ramsey.