

Topology Seminar

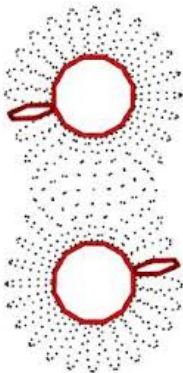
Friday, 2018, February 9, 11:00-11:50 p.m., in DERR 334

Speaker: William Grilliette, Ph.D. (Texas State Univ.)

Title: *Connecting Topology and Analysis (Part III):
Revisiting Injectivity and Projectivity*

ABSTRACT

This talk covers the connection between injective compact spaces and projective commutative C^* -algebras. In particular, injective compact spaces are readily identified as absolute retracts, while projective commutative C^* -algebras are more vague, identified by lifting conditions on the relations in a given presentation. This connection arises once again from the Gelfand representation, and motivates the study of liftable relations and multiplier algebras in non-commutative geometry.



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