

Irreducible Induced Representations of Fell Bundle C^* -Algebras

Fell bundles over groupoids provide a general framework to study C^* -algebras associated with dynamical systems. In particular, the C^* -algebra of Fell bundles subsume cross-product C^* -algebras, twisted cross-product C^* -algebras, groupoid and twisted-groupoid C^* -algebras, and groupoid dynamical systems C^* -algebras. In this talk we present some results on inducing irreducible representations of Fell bundles from stability groups. We show that the so called strong Effros-Hahn Induction property holds for a variety of cases, including all separable type I Fell bundles. Our results are based on joint work with Dana P. Williams.