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Title: The Generalized Effros-Hahn Conjecture for Groupoids.

Abstract: One of the fundamental results in the theory of crossed product of C^* -algebras is Effros-Hahn conjecture, proved by Gootman, Rosenberg, and Sauvageot: If (A, G, α) is a separable dynamical system with G amenable then every primitive ideal of the crossed product $A \rtimes G$ is induced from a stability group. In this talk, which is based on joint work with Dana Williams, we present a generalization of the Effros-Hahn conjecture to groupoid C^* -algebras. Our work is based on groundbreaking results due to Jean Renault. We also define induced representations from subgroupoids, and show that the induced representation of an irreducible representation of a stability group is also irreducible. This result is a key ingredient for our proof of the Effros-Hahn conjecture for groupoids. This is a joint work with Dana Williams.