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Title: The Radius of Comparison for Crossed Product C*-Algebras.

Abstract: Given real numbers $0 \leq r' < r \leq \infty$, and $d \in \mathbb{Z}_{>0}$, in this talk, we shall construct a simple unital C*-algebra A of stable rank one and an action $\alpha \colon (\mathbb{Z})^d \to \mathrm{Aut}(A)$ such that the radius of comparison of A is r, while the radius of comparison of the crossed product $A \rtimes_\alpha \mathbb{Z}$ is r'.

This talk is based on (ongoing) joint work with Ilan Hirshberg and M. Ali Asadi-Vasfi.