PERTURBATIONS OF CROSSED PRODUCT C*-ALGEBRAS BY AMENABLE GROUPS

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ABSTRACT. We study uniform perturbations of crossed product C*-algebras by amenable groups. Given a unital inclusion of C*-algebras $C \subseteq D$ and sufficiently close separable intermediate C*-subalgebras A, B for this inclusion with a conditional expectation from D onto B, if $A = C \rtimes G$ with G discrete amenable, then A and B are isomorphic. Furthermore, if $C \subseteq D$ is irreducible, then $A = B$.