

CROSSED PRODUCTS AND MF ALGEBRAS

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Abstract. We prove that the crossed product $\mathcal{A} \rtimes_{\alpha} G$ of a unital finitely generated MF algebra \mathcal{A} by a discrete finitely generated amenable residually finite group G is an MF algebra, provided that the action α is almost periodic. This generalizes a result of Hadwin and Shen. We also construct two examples of crossed product C^* -algebras whose BDF *Ext* semigroups are not groups.

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