Approximation Property Pass to Free Product

Authors : Kankeyanathan Kannan

Abstract : On approximation properties of group C* algebras is everywhere; it is powerful, important, backbone of countless breakthroughs. For a discrete group G, let A(G) denote its Fourier algebra, and let $M_0A(G)$ denote the space of completely bounded Fourier multipliers on G. An approximate identity on G is a sequence (Φ n) of finitely supported functions such that (Φ n) uniformly converge to constant function 1 In this paper we prove that approximation property pass to free product.

Keywords : approximation property, weakly amenable, strong invariant approximation property, invariant approximation property

Conference Title : ICMS 2016 : International Conference on Mathematical Sciences **Conference Location :** London, United Kingdom **Conference Dates :** June 23-24, 2016