

عنوان مقاله:

Homomorphism Weak amenability of certain Banach algebras

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خلاصه مقاله:

In this paper we introduce the notion of φ -commutativity for a Banach algebra A , where φ is a continuous homomorphism on A and study the concept of φ -weak amenability for φ -commutative Banach algebras. We give an example to show that the class of φ -weakly amenable Banach algebras is larger than that of weakly amenable commutative Banach algebras. We characterize φ -weak amenability of φ -commutative Banach algebras and prove some hereditary properties. Moreover we verify some of the previous available results about commutative weakly amenable Banach algebras, for φ -commutative φ -weakly amenable Banach algebras.

کلمات کلیدی:

Banach algebra, φ -commutative, φ -derivation, φ -weakly amenability

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