

عنوان مقاله:

*frames for operators on Hilbert modules

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خلاصه مقاله:

K-frames which are generalization of frames on Hilbert spaces, were introduced to study atomic systems with respect to a bounded linear operator. In this paper, $*\text{-}K\text{-frames}$ on Hilbert $C^*\text{-modules}$, as a generalization of $K\text{-frames}$, are introduced and some of their properties are obtained. Then some relations between $*\text{-}K\text{-frames}$ and $*\text{-atomic}$ systems with respect to an adjointable operator are considered and some characterizations of $*\text{-}K\text{-frames}$ are given. Finally perturbations of $*\text{-}K\text{-frames}$ are discussed.

کلمات کلیدی:

$K\text{-frames}$, $*\text{-frame}$, Hilbert, $C^*\text{-module}$

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