

**عنوان مقاله:**  
Coherent Frames

**محل انتشار:**  
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**خلاصه مقاله:**

Frames which can be generated by the action of some operators (e.g. translation, dilation, modulation, ...) on a single element  $f$  in a Hilbert space, called coherent frames. In this paper, we introduce a class of continuous frames in a Hilbert space  $\mathcal{H}$  which is indexed by some locally compact group  $G$ , equipped with its left Haar measure. These frames are obtained as the orbits of a single element of Hilbert space  $\mathcal{H}$  under some unitary representation  $\pi$  of  $G$  on  $\mathcal{H}$ . It is interesting that most of important frames are coherent. We investigate canonical dual and combinations of this frames

**کلمات کلیدی:**

Coherent frame, Continuous frame, Locally compact group, Unitary representation

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