Abstract

Using convolution theory of the dunkl transform, discrete dunkl wavelet transform is defined. A reconstruction formula for the discrete dunkl wavelet is obtained. Important properties of the discrete dunkl wavelet are presented. Frames and Riesz basis involving dunkl wavelets are studied.

References


**Index Terms**

Computer Science  
Embedded Systems

**Keywords**

Dunkl transform, wavelet transform, Dunkl operator