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