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Characterization of Besov Spaces for the Dunkl Operator on the Real Line

Authors: Chokri Abdelkefi, Mohamed Sifi,

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**Abstract:** In this paper, we define subspaces of  $L^p$  by differences using the Dunkl

translation operators that we call Besov-Dunkl spaces. We provide

characterization of these spaces by the Dunkl convolution.

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