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**SOME EMBEDDINGS INTO THE MODIFIED
MORREY SPACES ASSOCIATED WITH THE
DUNKL OPERATOR ON THE REAL LINE**

Abstract

On the real line, the Dunkl operators are differential-difference operators associated with the reflection group \mathbb{Z}_2 on \mathbb{R} . We consider the generalized shift operator, associated with the Dunkl operator

$$\Lambda_\alpha(f)(x) = \frac{d}{dx}f(x) + \frac{2\alpha + 1}{x} \left(\frac{f(x) - f(-x)}{2} \right).$$

We study some embeddings into the modified Morrey spaces associated with the Dunkl operator on \mathbb{R} .