Mathematics > Classical Analysis and ODEs

On Lusin's area integrals and g-functions in certain Dunkl and Laguerre settings

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We investigate g-functions and Lusin's area type integrals related to certain multi-dimensional Dunkl and Laguerre settings. We prove that the considered square functions are bounded on weighted L^p, $1<p<\infty$, and from L^1 into weak L^1.

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