

WEIGHTED NORM INEQUALITIES FOR THE
 g -LITTLEWOOD-PALEY OPERATORS ASSOCIATED
WITH LAPLACE-BESSEL DIFFERENTIAL OPERATORS

A. AKBULUT, V. S. GULIYEV AND M. DZIRI

Abstract. In this work we define and study Poisson integral associated with Laplace-Bessel differential operators. We establish weighted inequalities with a general weight for the g -Littlewood-Paley functions and the commutator $g_{b,k}$ defined by (1.2) associated with Laplace Bessel differential operator.

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