

BOHMAN EXTREMAL PROBLEM FOR THE DUNKL TRANSFORM**D. V. Gorbachev, V. I. Ivanov**

Received January 10, 2015

We give a solution of the Bohman extremal problem for nonnegative functions with the support of the Dunkl transform in a Euclidean ball or parallelepiped. The proof uses the invariance of the problem under orthogonal transforms and quadrature formulas with zeros of Bessel functions.

Keywords: root system, reflection group, Dunkl weight, Dunkl transform, Bohman extremal problem, Bessel quadrature formula.

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Cite this article as:

D. V. Gorbachev, V. I. Ivanov, Bohman extremal problem for the Dunkl transform, *Tr. Inst. Mat. Mekh. UrO RAN*, 2015, vol. 21, no. 4, pp. 115–123.