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Three results in Dunkl analysis

Abstract. In this talk, we establish first a geometric Paley–Wiener theorem for the Dunkl transform in the crystallographic case. Next we obtain an optimal bound for the $L^p \rightarrow L^p$ norm of Dunkl translations in dimension 1. Finally we describe more precisely the support of the distribution associated to Dunkl translations in higher dimension. (This is a joint work with B. Amri and J. Ph. Anker).