

## Some results on Hausdorff operators

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Lifyand and Móricz studied the Hausdorff operator on the real Hardy space and proved the boundedness property and the commuting relations of this operator and Hilbert transformations. The main objective of this paper is extending these results to the two contexts of Dunkl theory and the Jacobi hypergroup. (This talk is based on the joint work with T.Kawazoe and F.Saadi)