

Hausdorff Operator on Hardy Spaces

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ABSTRACT

This paper is concerned with the characterization of the boundedness of the generalized Hausdorff operator on weighted spaces of integrable functions. As corollaries, the description of the generalized Hausdorff operator on $L^1(w)$ is presented for different cases of w . Finally, we concluded with the range of the operator.

Keywords: Hausdorff operator, Generalized Hardy-Cesaro operators, Weighted spaces.

