

APPLICATIONS OF HAUSDORFF MEASURE OF NONCOMPACTNESS IN THE SPACES OF GENERALIZED MEANS

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Abstract. In this paper, we derive some identities for the Hausdorff measures of noncompactness of certain matrix operators on the sequence spaces $X(r,s)$ of generalized means. Further, we apply the Hausdorff measure of noncompactness to obtain the necessary and sufficient conditions for such operators to be compact.

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