ON A DUALITY BETWEEN THE OPERATORS AND THE SPACE OF SEQUENCES

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Abstract. On a space of sequences, the multiplication operator and the Hankel operator are defined and investigated. On the other hand, the concept of a space of sequences is basic, but its properties are not well known nevertheless. In this paper, we prove some properties of the space of sequences, and by means of this, we show certain modification of H^1-$BMOA$ duality and L^1-L^∞ duality (Theorem 5.2) from the viewpoint of theory of these operators.