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A NOTE ON TOPOLOGICAL PROPERTIES IN SEQUENCE SPACES

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ABSTRACT

In this work, we study some new spaces to obtain new type duality of a sequence space λ related to the some sequence spaces. Beforehand, we obtain some new distinguished subspaces of a FK space. Furthermore, we give some structural theorems and inclusions for these distinguished subspaces. These theorems are important to two decades the duality of a sequence space in summability theory and topological sequence spaces theory. We give properties of some special sequence space, which play an important role in the rest of the study, and also in developing duality properties.

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