Jerzy Kąkol Remarks on bounded sets in $(LF)_{tv}$ -spaces

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Abstract: We establish the relationship between regularity of a Hausdorff $(LB)_{tv}$ -space and its properties like (K), M.c.c., sequential completeness, local completeness. We give a sufficient and necessary condition for a Hausdorff $(LB)_{tv}$ -space to be an $(LS)_{tv}$ -space. A factorization theorem for $(LN)_{tv}$ -spaces with property (K) is also obtained.

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