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Two cardinal inequalities for functionally Hausdorff spaces

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Abstract: In this paper, two cardinal inequalities for functionally Hausdorff spaces are established. A bound on the cardinality of the $\tau\theta$ -closed hull of a subset of a functionally Hausdorff space is given. Moreover, the following theorem is proved: if X is a functionally Hausdorff space, then $|X| \leq 2^{\chi(X) \text{wcd}(X)}$.

Keywords: cardinal functions, $\tau\theta$ -closed sets, w -compactness degree

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