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*Remarks on strongly star-Menger spaces*

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**Abstract:** A space  $X$  is *strongly star-Menger* if for each sequence  $(\mathcal{U}_n : n \in \mathbb{N})$  of open covers of  $X$ , there exists a sequence  $(K_n : n \in \mathbb{N})$  of finite subsets of  $X$  such that  $\{St(K_n, \mathcal{U}_n) : n \in \mathbb{N}\}$  is an open cover of  $X$ . In this paper, we investigate the relationship between strongly star-Menger spaces and related spaces, and also study topological properties of strongly star-Menger spaces.

**Keywords:** selection principles, strongly starcompact, strongly star-Menger, Alexandroff duplicate

**AMS Subject Classification:** 54D20, 54C10

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