

Song, Yan-Kui**On \mathcal{K} -starcompact spaces.** (English) [Zbl 1134.54314](#)

Bull. Malays. Math. Sci. Soc. (2) 30, No. 1, 59-64 (2007).

Summary: A space X is \mathcal{K} -starcompact if for every open cover \mathcal{U} of X , there exists a compact subset K of X such that $St(K, \mathcal{U}) = X$, where $St(K, \mathcal{U}) = \bigcup\{U \in \mathcal{U} : U \cap K \neq \emptyset\}$. In this paper, we investigate the relations between \mathcal{K} -starcompact spaces and other related spaces. We also study topological properties of \mathcal{K} -starcompact spaces.

MSC:[54D20](#) Noncompact covering properties (paracompact, Lindelöf, etc.)[54B10](#) Product spaces in general topology[54D55](#) Sequential spacesCited in **3** Documents**Keywords:**countably compact; star-compact; $1\frac{1}{2}$ -star compact**Full Text:** [EuDML](#)