# ON $T$-OPEN SETS AND SEMI-COMPACT SPACES

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**Abstract.** In this paper, we introduce and investigate a new class of sets called $T$-open sets which are weaker semi-open sets. Moreover, we obtain characterizations and preserving theorems of semi-compact spaces.

**MSC 2000.** 54C05, 54C08, 54C10.

**Key words.** semi-open set, semi-compact space, $S$-closed space.

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