

Fuzzy Ideal Topological Spaces

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Abstract : In this paper, it is introduced the notion of r-fuzzy ideal separation axioms $T_i = 0; 1; 2$ based on a fuzzy ideal I on a fuzzy topological space $(X; \tau)$. An r-fuzzy ideal connectedness related to the fuzzy ideal I is introduced which has relations with a previous r-fuzzy fuzzy connectedness. An r-fuzzy ideal compactness related to I is introduced which has also relations with many other types of fuzzy compactness.

Keywords : fuzzy ideal, fuzzy separation axioms, fuzzy compactness, fuzzy connectedness

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