Popa, Valeriu; **Noiri, Takashi**

On the definitions of some generalized forms of continuity under minimal conditions. (English) Zbl 0972.54011

Mem. Fac. Sci., Kochi Univ., Ser. A 22, 9-18 (2001).

The authors define a minimal structure on a set X to be a family m_X of subsets of X containing the empty set and X itself. In a natural way, one can define the closure and the interior of a subset of X with respect to a given minimal structure m_X, as well as the notion of m-continuity between a set with minimal structure and a topological space. The authors study m-continuous functions as well as concepts such as m-T_2 spaces, m_X-compactness and m_X-connectedness.

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