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ON A NEW TYPE OF GENERALIZED CLOSED SETS IN A GTS VIA HEREDITARY CLASSES AND CERTAIN APPLICATIONS

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Abstract. The purpose of this paper is to introduce the concept of μ^*-g-closed set, a closed-like set in a GTS with a hereditary class. We establish that this class of sets lies strictly between the class of μ-closed sets and that of μ-g-closed sets. We also introduce and study μ^*-R_0 space, μ^*-R_1 space and μ^*-$T_{\frac{1}{2}}$ space by using the notion of μ^*-g-closed set.

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