



**T_0 -IDENTIFICATION SPACES, SEMIREGULAR SPACES,
AND WEAKLY P PROPERTIES**

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Abstract

In 1936 T_0 -identification spaces were introduced and used to give a direct, strong connection between metrizable and pseudometrizable spaces. In a similar manner, in 1975 T_0 -identification spaces were used in the same manner to give a direct, strong connection between Hausdorff and weakly Hausdorff spaces raising the question of whether the process used in the connections of pseudometrizable and metrizable, and weakly Hausdorff and Hausdorff could be generalized to include other topological properties. Within this paper, the investigation of this question continues. In 1937, the same author, as above, introduced regularly open sets, which were used to define and investigate semiregular spaces. Since 1937 each of T_0 -identification spaces, regularly open sets, and semiregular spaces have been further investigated and used to define and investigate many other properties, but not until now has questions concerning a direct connection between the two papers been addressed.

Keywords and phrases: T_0 -identification spaces, regularly open sets, semiregular spaces.

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