

*SUMMARY AND CONCLUSION*

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This thesis is devoted to the study of generalized separation axioms in biclosure spaces.

In Chapter I, preliminary and results of closure spaces, biclosure spaces and  $T_{1/2}$ -biclosure spaces are studied.

In Chapter II,  $\partial$ -closed sets,  $\partial$ -closed maps and  $\partial$ -continuous maps in biclosure spaces are discussed. The class of all  $\partial$ -closed sets lies between the class all closed sets and the class of all  $g$ -closed sets.

In Chapter III, Hausdorff biclosure spaces,  $g$ - Hausdorff biclosure spaces and  $\partial$ - Hausdorff biclosure spaces are analyzed.

In Chapter IV, deals with Pairwise closed sets preserve pairwise closed maps and Bicontinuous maps in biclosure spaces its properties and characterizations of these concepts are analyzed.

In Chapter V, the concepts of  $\mathcal{S}$ -Closed Sets in Bi- $\check{C}$ ech Closure Spaces and its properties are analyzed.

These concepts can be studied in fuzzy topological spaces fuzzy bitopological spaces, Minimal structure and Biminimal structure.