

SUMMARY AND CONCLUSION

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In this dissertation τ^*g^* -closed sets, $\tau^*\alpha$ -closed sets, $\tau^*g^*\alpha$ -closed sets and $\tau^*g^*\alpha$ -continuous maps have been extended to τ^* topological spaces.

In Chapter 1, generalized closed sets (g-closed sets) and g^* -closed sets in topological spaces are discussed.

In Chapter 2, $g^*\alpha$ -closed sets and $g^*\alpha$ -continuous maps in topological spaces are analyzed. Properties, characterizations and applications of $g^*\alpha$ -closed sets and $g^*\alpha$ continuous maps are studied.

In Chapter 3, τ^* - generalized closed sets, τ^*g^* -closed sets and $\tau^*\alpha$ -generalized closed sets in topological spaces are discussed and its properties, characterizations and applications are analyzed.

In Chapter 4, $\tau^*g^*\alpha$ -closed sets and τ^*g^* -continuous maps in topological spaces are studied. Properties, characterizations and applications are analyzed.

These concepts can be studied in fuzzy topological spaces and fuzzy minimal structures.