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ON DECOMPOSITIONS OF INTUITIONISTIC *AB* BOUNDARY GENERALIZED CONTINUOUS FUNCTIONS

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Abstract

The purpose of this paper is to introduce the concepts of intuitionistic \mathcal{AB} boundary generalized continuous function, intuitionistic \mathcal{AB} boundary generalized closed set, intuitionistic $\mathcal{AB}^{\mathcal{A}}$ boundary generalized closed set and intuitionistic $\mathcal{AB}^{\mathcal{B}}$ boundary generalized closed set are discussed. Besides providing some interesting properties, interrelation among the sets are discussed. The concepts of intuitionistic \mathcal{AB} boundary normal spaces, intuitionistic \mathcal{AB} boundary regular spaces, intuitionistic \mathcal{AB} boundary connected spaces are introduced and studied.

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Key Words : Intuitionistic \mathcal{AB} boundary set, Intuitionistic \mathcal{AB} boundary generalized closed set, Intuitionistic \mathcal{AB} boundary generalized continuous function, Intuitionistic \mathcal{AB} boundary normal spaces, Intuitionistic \mathcal{AB} boundary regular spaces, Intuitionistic \mathcal{AB} boundary compact spaces and Intuitionistic \mathcal{AB} boundary connected spaces