ON DECOMPOSITIONS OF INTUITIONISTIC $\mathcal{AB}$ 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 compact spaces and intuitionistic $\mathcal{AB}$ boundary connected spaces are introduced and studied.

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