

VAGUE BINARY SOFT CONTINUITY

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Date of Receiving : 21. 12. 2020

Date of Revision : 07. 03. 2021

Date of Acceptance : 10. 03. 2021

Abstract. Vague binary soft continuity over a binary universe with a fixed parameter set is developed in this paper. Pasting Lemma & and some basic theorems are also discussed

1. Introduction

Two objects are equivalent in topology if they are homeomorphic. Continuity acts like a backbone to homeomorphism. Molodtsov [9] introduced soft sets in 1999. It was a novel approach in set theory, which helped a lot to overcome all the existing difficulties of classical set theory. In 1997, E.L.Atik.A.A [4] studied some types of mappings on topological spaces. In 2010, Athar Kharal and Ahmad.B [3] gave mappings on soft classes. In 2012, Banashree Bora redefined the same and reached to the same result of Kharal et al.,. In 2013, Cigdem Gundur Aras et at., [6] defined soft continuity using the definition of soft point. In 2009, Ahmad and kharal [1] discussed on fuzzy soft sets and gave several ideas. In 2012, Fuzzy soft continuity was developed by Banashree Bora [5]. In 2015, Jeyaraman et al., [7] gave a decomposition of fuzzy continuity. In 2010, Pyung Ki Lim, So Ra Kim and Kul Hur [10] developed vague continuity. In 2016, Mary Margaret and Arockiarani.I. [8] studied vague generalized pre-continuous mapping. In 2016, Ahu Acikgöz et. al., [2] developed Binary soft set theory. Remya. P. B and Francina Shalini. A [11] developed vague binary soft sets in 2018. In this paper authors further extended their work to continuity of vague binary soft sets.

2010 *Mathematics Subject Classification.* 58C07, 03B52, 97E60.

Key words and phrases. vague binary soft topological space, vague binary soft hausdorff space, vague binary soft normal space, vague soft continuity, vague binary soft continuity, vague binary soft open map.

Communicated by. Vigneswaran M. and S. Jafari

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