ON SOFT CONTRA $g^*\beta$-CONTINUOUS FUNCTIONS IN SOFT TOPOLOGICAL SPACES

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Abstract: We introduce a new class of soft contra generalized star beta continuous function (contra $g^*\beta^s$-conts function) in soft topological spaces. Also we present almost contra $g^*\beta^s$-continuous functions and we derive some basic properties.

1. Introduction

Initially the concept of generalized closed sets were introduced by Levine [3] in topological spaces in 1970. Molodtsov [4] pioneered the study of soft set theory as a new mathematical tool and confronted the fundamental results of the soft sets in 1996. Soft topological spaces(STS) are defined over an initial universe with a fixed set of parameters and was introduced by Munazza Naz & Muhammad Shabir [5]. The authors [6, 7] introduced the concept of generalized star β-closed sets in TS and soft $g^*\beta$-closed sets in STS. In this paper we introduced the new concept of contra $g^*\beta^s$-continuous function and contra $g^*\beta^s$-irresolute functions and we have discussed some properties. Also we present almost contra $g^*\beta^s$-continuous functions