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NEW SOFT EXPERT METRIC APPLICATIONS

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Abstract: Motivated by the study of shabir and Naz [15] on soft topological spaces, we introduce the new propositions of soft expert metric space, soft expert closed sphere, soft expert closed set and studied some properties of these concepts. Which are fundamental for further researches on soft expert metric spaces.

Keywords and Phrases: Soft expert set, soft expert point, soft expert open set, soft expert closed set, soft expert metric spaces and so on.

2020 Mathematics Subject Classification: 54B05, 54B10, 54C05, 06D72, 54E35.

1. Introduction and Definitions

There are Uncertainties in many Complicated Problems in the fields of engineering, physics, Computer Science, Medical science, Social Science and economics. These problems can not be solved by Classical Methods. For Solving these Problems Molodtsov [13] Introduced the concept of soft set. It is a type of mathematical tool that helps to solve problems dealing with uncertain data. The notion of Soft topological Spaces was introduced by Shabir and Naz [15] on an initial Universe with a fixed set of Parameters and they investigated Some Properties of soft topological Spaces. Maji et al. [10, 11] introduced several application of soft sets in decision making Problems. Following this soft, Metric spaces [2, 4, 5, 6], neighborhood properties of Soft topological spaces were studied in [14]. Further the