

Intuitionistic Fuzziness and Modality

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Abstract. Ever since the first publication over intuitionistic fuzziness, the two standard modal operators “necessity” (\square) and “possibility” (\diamond) are introduced over intuitionistic fuzzy sets. In the years, these two operators are object of a lot of extensions and modifications. In the present paper, a new direction of two modifications of the two standard modal operators is discussed. We introduce four new operators and study their properties.