

Logical Model of Graded Beliefs for a Persuasion Theory

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Abstract. The aim of the article is to introduce the model of beliefs' gradation for a persuasion theory and study the possibilities of its formalization. Thus, we formulate the requirements which the adequate description of graded beliefs should fulfil as well as show their significance for representing the process of convincing. Then, we provide a comprehensive survey of methods currently widely used to model the degrees of beliefs as well as evaluate them from the point of view of the postulated requirements.

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