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## **Fuzzy Set Theoretic Framework for Representing Uncertainty due to Vagueness and Imprecision in Knowledge Representation**

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This paper presents a fuzzy set theoretic framework for representing subjectivity and the associated uncertainty due to vagueness and imprecision in knowledge representation. The framework is applied for movie objects representation and reasoning in movie recommender systems. Related recent development includes Fuzzy RuleML - a rule language framework for representing both certain and uncertain information, as well as fuzzy extension of OWL.

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