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Modeling the representation of time from a fuzzy perspective. (English) Zbl 0809.68111

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Summary: We present a model for the representation of imprecise temporal information. The model permits the representation of absolute and relative temporal references and includes qualitative and quantitative relationships. We also present an efficient algorithm that combines the information represented, minimizes imprecisions, and detects inconsistencies. We discuss the practical use of the model through examples in different domains.

MSC:

68T35 Theory of languages and software systems (knowledge-based systems, expert systems, etc.) for artificial intelligence

94D05 Fuzzy sets and logic (in connection with information, communication, or circuits theory)

Cited in **1** Review
Cited in **8** Documents

Keywords:

imprecise temporal information; algorithm

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