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Strict Archimedean t-norms and t-conorms as universal approximators. (English)

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Summary: In knowledge representation, when we have to use logical connectives, various continuous t-norms and t-conorms are used. In this paper, we show that every continuous t-norm and t-conorm can be approximated, to an arbitrary degree of accuracy, by a strict Archimedean t-norm (t-conorm).

MSC:

68T30 Knowledge representation

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