عنوان مقاله:

ROBUSTNESS OF THE TRIPLE IMPLICATION INFERENCE METHOD BASED ON THE WEIGHTED LOGIC METRIC

نویسندگان:

Jun Li - *School of Science, Lanzhou University of Technology, Lanzhou ۷۳۰۰۵۰, Gansu, China*

Chao Fu - *School of Science, Lanzhou University of Technology, Lanzhou ۷۳۰۰۵۰, Gansu, China*

خلاصه مقاله:

This paper focuses on the robustness problem of full implication triple implication inference method for fuzzy reasoning. First of all, based on strong regular implication, the weighted logic metric for measuring distance between two fuzzy sets is proposed. Besides, under this metric, some robustness results of the triple implication method are obtained, which demonstrates that the triple implication method possesses a good behavior of robustness.

کلمات کلیدی:

Robustness, Triple implication method, Weighted logic metric, Weighted logic similarity degree, Fuzzy reasoning