



**THE RESEARCH ABOUT INTERVAL
NUMBERS SIMILARITY THEORY**

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Received January 26, 2014

Abstract

Using the similarity theory of fuzzy sets, this paper gives the axiomatic definition of interval numbers similarity. Then, through analyzing the expressed laws of interval numbers similarity, we get the expressed form of interval numbers similarity. Finally, by way of examples, we illustrate that we can construct a variety of closeness formulas according to the expressed form of closeness of interval numbers, accordingly provide a great convenience for the practical application of closeness of interval numbers.

Keywords and phrases: interval numbers, fuzzy sets, close degree.

**Pioneer Journal
of Mathematics
and Mathematical
Sciences**



**Pioneer Scientific
Publisher**