

\mathcal{I} -limit superior and \mathcal{I} -limit inferior for sequences of fuzzy numbers

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Abstract

The statistical limit inferior and limit superior for sequences of fuzzy numbers have been introduced by Aytar, Pehlivan and Mammadov (Fuzzy Sets and Systems, 157(7) (2006) 976–985). In this paper we extend concepts of statistical limit superior and inferior to \mathcal{I} -limit superior and \mathcal{I} -inferior for a sequence of fuzzy numbers. We also prove some basic properties.

Keywords: *Fuzzy numbers; Sequences of fuzzy numbers; Ideal convergence; Ideal limit superior and inferior*

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