

Statistical convergence and p -Cesàro Summability of Order β for Difference Sequences of Fuzzy Numbers

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Abstract: In this study we introduce the concepts of statistical convergence of order β and strong p -Cesàro summability of order β for difference sequences of fuzzy numbers. Also, we give some relations between the statistical convergence of order β and strong p -Cesàro summability of order β for difference sequences of fuzzy numbers and construct some interesting examples to show strictness of some inclusion relations.

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Key words: Fuzzy number, Statistical convergence, Cesàro summability, Difference sequence.

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