Approximation of fuzzy numbers by truncated Favard-Szasz-Mirakyan operators of max-product kind

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The nonlinear Favard-Szasz-Mirakjan operators of max-product kind is introduced in [1]. In [2], the authors showed that the order of approximation by the truncated max-product Favard-Szász-Mirakjan operator is less than $C\omega(f, 1/n)$, (C=6). The aim of this note is to study the approximation of fuzzy numbers by truncated Favard-Szasz-Mirakyan operators of max-product kind.

References

[1] B. Bede, L. Coroianu, S.G. Gal, *Approximation by Max-Product Type Operators*, Springer International Publishing. Switzerland (2016).

[2] B. Bede, L. Coroianu, S.G. Gal, *Approximation by truncated Favard–Szász–Mirakjan operator of max-product kind*, Demonstratio Mathematica 44(1), 105–122 (2011).