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APPROXIMATION OF BÖGEL CONTINUOUS FUNCTIONS AND DEFERRED WEIGHTED A–STATISTICAL CONVERGENCE BY BERNSTEIN–KANTOROVICH TYPE OPERATORS ON A TRIANGLE

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Abstract. The present article is in continuation of the work done by Kajla (Math. Methods Appl. Sci., 42(12), (2019), 4365–4377) on Bernstein-Kantorovich type operators on a triangle. We discuss the deferred weighted A-statistical approximation and τ-th order generalization of these operators by means of a Taylor polynomial. We also investigate the convergence estimates for the functions in a Bögel space by these operators.

Mathematics subject classification (2020): 41A36, 41A25, 26A15.
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