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Korovkin-type approximation theorem for Bernstein Stancu operator of rough statistical convergence of triple sequence. (English) [Zbl 1431.40013](#)

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Summary: We obtain a Korovkin-type approximation theorem for Bernstein Stancu polynomials of rough statistical convergence of triple sequences of positive linear operators of three variables from $H_\omega(K)$ to $C_B(K)$, where $K = [0, \infty) \times [0, \infty) \times [0, \infty)$ and ω is non-negative increasing function on K .

MSC:

- 40F05 Absolute and strong summability (should also be assigned at least one other classification number in Section 40-XX)
- 40J05 Summability in abstract structures (should also be assigned at least one other classification number from Section 40-XX)
- 40G05 Cesàro, Euler, Nörlund and Hausdorff methods
- 40G15 Summability methods using statistical convergence

Keywords:

triple sequences; rough convergence; Bernstein Stancu operator; Korovkin-type approximation theorem

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