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Equi-Statistical Extension of the Korovkin Type Approximation Theorem

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Abstract: In this paper using equi-statistical convergence, which is stronger than the usual uniform convergence and statistical uniform convergence, we obtain a general Korovkin type theorem. Then, we construct examples such that our new approximation result works but its classical and statistical cases do not work.

Key Words: Equi-statistical convergence, positive linear operator, Korovkin type theorem

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