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TWO KOROVKIN-TYPE THEOREMS IN MULTIVARIATE APPROXIMATION

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Dedicated to Professor Josip E. Pečarić

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ABSTRACT. Let Ω be a compact convex subset of \mathbb{R}^d and let $(L_n)_{n \in \mathbb{N}}$ be a sequence of positive linear operators that map $C(\Omega)$ into itself. We establish two Korovkin-type theorems in which the limit of the sequence of operators is not necessarily the identity.

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