CONVERGENCE RATE IN MULTIDIMENSIONAL
IRREGULAR SAMPLING RESTORATION

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Abstract. New magnitude of truncation error upper bound and convergence rate are obtained for Whittaker–Kotel'nikov–Shannon (WKS) sampling restoration sum for Bernstein function class $B_{\pi,d}^q$, $q \geqslant 1$, $d \in \mathbb{N}$, when the sampled functions decay rate is unknown. The case of multidimensional irregular sampling is discussed.

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