

## Some applications of Birkhoff-Kingman ergodic theorem

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**Abstract.** We present various convergence results for multivalued ergodic theorems in Bochner-Gelfand-Pettis integration.

**Key words:** Conditional expectation, epiconvergence, ergodic, Bochner-Gelfand-Pettis integration, Birkhoff-Kingman ergodic theorem, Mosco convergence, multi-valued convergence, slice convergence