

## Complete convergence and complete moment convergence for independent random fields in Banach spaces

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**Abstract.** In this paper, we propose a variant of the Baum–Katz theorem for independent random fields in Rademacher type  $p$ -Banach spaces without assumption of identical distribution. The equivalent conditions of complete convergence and complete moment convergence are also given. Our result improves and extends the corresponding ones for independent random sequences.

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