

# Marcinkiewicz-Zygmund type law of large numbers for double arrays of random elements in Banach spaces

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**Abstract:** In this paper we establish Marcinkiewicz-Zygmund type laws of large numbers for double arrays of random elements in Banach spaces. Our results extend those of Hong and Volodin [6]. ?? Pleiades Publishing, Ltd., 2009.

**Author Keywords:** Double arrays of random elements; Marcinkiewicz-Zygmund inequality; Martingale type  $p$  Banach spaces; Rademacher type  $p$  Banach spaces; Strong and  $L_p$  laws of large numbers

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