CONVERGENCE MATES IN THE STRONG LAW OF LARGE NUMBERS FOR SUMS OF RANDOM VARIABLES WITH MULTIDIMENSIONAL INDICES

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Abstract: We consider a set of independent random variables indexed by Z^d $(d \geq 1)$, the positive integer d-dimensional lattice points, and study the convergence rates in the strong law of large numbers. The results presented provide us with much deeper understanding of the tail probability of distributions.

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