

ON THE STRONG LAWS OF LARGE NUMBERS FOR
TWO-DIMENSIONAL ARRAYS OF BLOCKWISE INDEPENDENT AND
BLOCKWISE ORTHOGONAL RANDOM VARIABLES

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Abstract: In this paper we obtain the conditions of the strong law of large numbers for two-dimensional arrays of random variables which are blockwise independent and blockwise orthogonal. Some well-known results on the strong laws of large numbers for two-dimensional arrays of random variables are extended.

2000 AMS Mathematics Subject Classification: 60F15.

Key words and phrases: Blockwise independent random variables, blockwise orthogonal random variables, strong law of large numbers, two-dimensional arrays of random variables, almost sure convergence.

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