论文

正相协列乘积和的重对数律与强大数律

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摘要　　证明了强平稳正相协列乘积和的重对数律与不同分布正相协列乘积和的强大数律, 指出了部分和服从强大数律但乘积和未必服从强大数律这一事实, 并讨论了定理2中一个条件的必要性.

关键词　　正相协　乘积和　重对数律　强大数律

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The Law of Iterated Logarithm and Strong Law of Large Numbers for Product Sums of PA Sequences

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Abstract In this paper, the law of iterated logarithm for product sums of positive ssociated sequences with the strong stability and the strong law of large numbers for product sums of positive associated sequences with different distributions are proved. It is pointed out that the law of large numbers for product sums does not necessarily hold even though the law of large numbers for partial sums holds. Also the necessity of a condition in Theorem 2 is discussed.

Key words　PA sequences　sums of product　the law of the iterated logarithm　the strong law of large numbers

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