

Original Articles

随机元的对数定律的收敛速率

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摘要 该文讨论了Banach空间中部分和的对数定律和依赖随机变量的随机指数部分和的收敛速率,关于该收敛速率给出充要条件,推广了有关文中的结果.

关键词 [对数定律](#) [B值随机元](#)

分类号

Convergence rates in the law of logarithm of random elements

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Abstract We discuss the convergence rates in the law of logarithm for partial sums and randomly indexed partial sums of independent random variables in Banach space, and find the necessary and sufficient conditions on the convergence rates. The results of [1-3] for sums of i.i.d. real valued r.v.'s are extended; Yang's result is generalized and the necessity part of Yang's result is also discussed; a conjecture for the i.i.d. real-valued r.v.'s of [5] is answered in Banach space.

Key words [Convergence rate](#) [logarithm law](#) [B-valued random](#)

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