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α -Transience and α -Recurrence of Right Processes

赵敏智(1), 应坚刚(2)

(1)浙江大学玉泉校区数学系; (2)复旦大学数学所

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摘要 In this article, we mainly discuss some potential theory in the framework of right Markov processes. We introduce the concept of α -excessive function, α -recurrence and α -transience for right processes with $\alpha \leq 0$, and give a thorough investigation.

关键词 [\$\alpha\$ -transience](#) [\$\alpha\$ -recurrence](#) [Right process](#) [\$\alpha\$ -excessive function](#) [\$\alpha\$ -excessive function](#)

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α -Transience and α -Recurrence of Right Processes

Min Zhi ZHAO(1), Jian Gang YING(2)

(1)Department of Mathematics, Zhejiang University, Hangzhou 310027, P. R. China; (2)Institute of Mathematics, Fudan University, Shanghai 200433, P. R. China

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Key words [\$\alpha\$ -transience](#) [\$\alpha\$ -recurrence](#) [Right process](#) [\$\alpha\$ -excessive function](#) [\$\alpha\$ -excessive function](#)

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通讯作者 赵敏智 zhaomz@zju.edu.cn

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