Electronic Communications in Probability > Vol. 12 (2007) > Paper 26

## On a theorem in multi-parameter potential theory

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## Abstract

We prove that the expected Lebesgue measure of the range of an additive L'evy process is positive if and only if the product  $Re([1+Psi_1(xi)]^{-1})...Re([1+Psi_N(xi)]^{-1}))$  is integrable. This was previously proved by Khoshnevisan, Xiao and Zhong [1] under a sector condition.

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Published on: September 5, 2007

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Electronic Communications in Probability. ISSN: 1083-589X

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