

TRANSITION DENSITY ESTIMATES FOR RELATIVISTIC α -STABLE PROCESSES ON METRIC SPACES

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Abstract. We prove matching upper and lower bounds for the transition density of relativistic α -stable processes on a d -set (F, ρ, μ) , obtained via subordination. We also identify the corresponding Dirichlet form.

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Key words and phrases: relativistic stable process, d -set, transition density, Dirichlet form.

THE FULL TEXT IS AVAILABLE HERE

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