

On boundary decay of harmonic functions, Green kernels and heat kernels for some non-local operators

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In this talk, I will discuss non-local operators in open subsets of Euclidean space with critical potentials and kernels admitting a decay at the boundary. The focus will be on the boundary decay of non-negative harmonic functions, Green kernels, and heat kernels. I will explain how decay depends on the critical potential and the possible decay of the kernel at the boundary