

ON POTENTIAL THEORY OF SUBORDINATE BROWNIAN MOTION IN UNBOUNDED SETS

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Many aspects of potential theory, such as the Green function estimates, boundary Harnack principle and Martin boundary identification, are known for rather wide classes of subordinate Brownian motion in bounded open sets. On the other hand, except for a few particular examples of Lévy processes, much less is known in case of unbounded open sets. In this talk I will discuss some potential theoretic problems for subordinate Brownian motion in unbounded open sets.