

BOUNDARY HARNACK PRINCIPLE FOR SUBORDINATE BROWNIAN MOTIONS

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Abstract: In this talk I will present some recent results on the potential theory of subordinate Brownian motions. We will show that, for a large class of subordinate Brownian motions, the boundary Harnack inequality is valid. The results presented here are generalizations of earlier results for symmetric stable processes by Bogdan (97) and Song-Wu (99), and earlier results for relativistic stable processes by Ryznar (02) and Chen-Song (03). The results of this talk are based on joint work with Panki Kim and Zoran Vondracek.