ON GREEN FUNCTION OF SUBORDINATE BROWNIAN MOTION

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A subordinate Brownian motion is a Lévy process which can obtained by replacing the time of Brownian motion by an independent increasing Lévy process. In this talk, we consider a large class of subordinate Brownian motions without diffusion term. We discuss an explicit form of sharp two-sided estimates on the Green functions of these subordinate Brownian motions in bounded $C^{1,1}$ open set.