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**Hyunchul Park\*** (hpark48@illinois.edu), 2109 W.White st Apt200, Champaign, IL 61821,  
and **Panki Kim** and **Renming Song**. *Sharp estimates on the Green functions of perturbations of subordinate Brownian motions in bounded  $\kappa$ -fat open sets.*

In this talk we study perturbations of a large class of subordinate Brownian motions in bounded  $\kappa$ -fat open sets, which include bounded John domains. Suppose that  $X$  is such a subordinate Brownian motion and that  $J$  is the Lévy density of  $X$ . The main result of this paper implies, in particular, that if  $Y$  is a symmetric Lévy process with Lévy density  $J^Y$  satisfying  $|J^Y(x) - J(x)| \leq c \max\{|x|^{-d+\rho}, 1\}$  for some  $c > 0, \rho \in (0, d)$ , then for any bounded John domain  $D$  the Green function  $G_D^Y$  of  $Y$  in  $D$  is comparable to the Green function  $G_D$  of  $X$  in  $D$ . One of the main tools of this paper is the drift transform introduced in [?]. To apply the drift transform, we first establish a generalized 3G theorem for  $X$ . (Received September 19, 2012)