

BOUNDARY HARNACK INEQUALITY FOR  $\alpha$ -HARMONIC FUNCTIONS  
ON THE SIERPIŃSKI TRIANGLE

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*Abstract:* We prove a uniform boundary Harnack inequality for nonnegative functions harmonic with respect to  $\alpha$ -stable process on the Sierpiński triangle, where  $\alpha \in (0, 1)$ . Our result requires no regularity assumptions on the domain of harmonicity.

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**Keywords and phrases:** Sierpiński triangle, boundary Harnack inequality, stable process.

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