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DK Seminar

Oct 05, 2016, 14:15 - 15:00
Vienna University of Technology,
Freihaus, green area, 4th floor

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Harnack inequality for subordinated random walk

In this talk we generalize well known result about Harnack inequality to the case of subordinated random walk. In the previous work, the usual assumptions were that we have finite range or at least finite variance random walk. With subordination of a simple random walk in \mathbb{Z}^d , $d \geq 1$, we get a random walk with the step that has neither finite support nor finite second moment. For those type of random walks Harnack inequality is still not proved.