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**Jialun Li\*** ([jialun.li@math.uzh.ch](mailto:jialun.li@math.uzh.ch)). *Decay of Fourier transforms of fractal measures.*

We will talk about some of the recent works on estimating the decay of Fourier transforms of fractal measures, such as self-similar measures and Furstenberg measures. The proof is based on renewal theorems for stopping times of random walks on  $\mathbb{R}$ . (Received March 08, 2021)