Asymptotical properties of group actions on rooted trees

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In this talk we will discuss asymptotic properties of sequences of graphs that describe certain group actions on rooted trees. There are various ways to pass to the limit for such sequences of graphs, one being the random weak limit of Benjamini-Schramm, the other - via the notion of limit space due to Nekrashevych. Relations between the different limits will also be discussed.

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