



BOSTON UNIVERSITY STATISTICS
AND PROBABILITY SEMINAR SERIES

**Asymptotic properties of Markov Processes on
Cayley Trees**

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Mathematics and Computer Science (MCS) Building, Room 149
111 Cummington Street, Boston

Tea and Cookies at 3:30pm in MCS 153

Abstract: Cayley trees, with fixed or random branching numbers, form a basic but important class of graphs, and random processes constructed on Cayley trees are useful in a broad variety of disciplines, including physics, computer science, biology, economics and finance. We attempt to present a number of results on Markov-type processes on trees emerging from examples in the queueing theory, reaction-diffusion equations and branching diffusion on hyperbolic spaces.

For directions and maps, please see <http://math.bu.edu/research/statistics/statseminar.html>.