

Statistics Seminar
Department of Mathematical Sciences

DATE:	Thursday, November 21, 2019
TIME:	1:15pm - 2:15pm
LOCATION:	WH 100E
SPEAKER:	Yingsong Chen, Binghamton University
TITLE:	Recursive Self-Similarity for Random Trees, Random Triangulations and Brownian Excursion

Abstract

Recursive self-similarity for a random object is the property of being decomposable into independent rescaled copies of the original object. Certain random combinatorial objects—trees and triangulations—possess approximate versions of recursive self-similarity, and then their continuous limits possess exact recursive self-similarity. In particular, since the limit continuum random tree can be identified with Brownian excursion, we get a nonobvious recursive self-similarity property for Brownian excursion.

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Last update: **2019/11/13 22:04**

