

“It is a mistake to try to look too far ahead. The chain of destiny can only be grasped one link at a time.”

-Sir Winston Churchill

The Trivial Notions Seminar
Proudly Announces

Markov Chains and Generating Random
Spanning Trees

A talk by
Krishanu Sankar

Abstract

Markov chains are a natural model for simulating a very wide variety of phenomena in nature. However, they also have some very unexpected and clever applications to situations you wouldn't expect! We'll explore the basic theory, starting with random walks on a finite graph, and look at one application to generating (uniformly at random) spanning trees of a graph, in polynomial time. All you'll need is some linear algebra.

Thursday February 27th, at 12:00 pm
Science Center 112