

Igor Kortzhemski Condeusation phenomene In rændom dræn ETH, Spring 2024

Introduction

Joal: study the "geometry" of the genealogical tra of a population which starts from one individual, and where individuals reproduce in an i'd fashion, when the size of the population is large (the is the genealogical tra of . Bienaymé-collon Wakon proves). In particular, we identify a "condensation regime".

To do thus, the main ingredient will be limit theorems for condom welles. These results are of independent interest, and will actually be the first part of the course.

Connection between (rændern) plane trees and (rændern) pathes in one picture:

