

Talk 9: Local limits of random maps

Speakers. Sven Keller & Justus Schilling

Date. Thursday, May 2.

Reference material

[Cur]

Goal

The goal is to study local limits of random maps, a discretized model of random surfaces which are roughly speaking polygons randomly glued together.

Content

- Definition of a map (Section 1 in [Cur])
- The Cori-Vauquelin-Schaeffer bijection (Section 2 in [Cur])
- Theorem 4 and its proof (Section 4 in [Cur])
- Only if time permits, some applications (Section 5 in [Cur])

References

[Cur] Nicolas Curien. Local limits of random trees and maps (lecture notes). <https://www.imo.universite-paris-saclay.fr/~nicolas.curien/cours/course-yep.pdf>.