



Mathematics and CS Seminar

GeomTop Seminar: talk by Mehdi Makhul

Mehdi Makhul

Johann Radon Institute

Host: Uli Wagner

We study the probability for a random line to intersect a given plane curve, defined over a finite field, in a given number of points defined over the same field. In particular, we focus on the limits of these probabilities under successive finite field extensions. Veronese maps allow us to compute similar probabilities of intersection between a given curve and random curves of given degree. Finally, we use Bertini's Theorem to compute the probability that a random linear subspace of the right dimension intersects X in a given number of points.

Wednesday, November 14, 2018 01:00pm - 02:15pm

Mondi Seminar Room 3, Central Building



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

Please find a schedule of the ISTA Shuttle on our webpage:

<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.