



Mathematics and CS Seminar

Zigzag strategy for Wigner matrices

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Host: Laszlo Erdős, Jan Maas

Over the past years, so called multi-resolvent local laws (= strong concentration estimates for alternating products of random resolvents and deterministic matrices) emerged as a powerful tool for tackling several questions in random matrix theory. In this talk, we will explain a novel dynamical method, the Zigzag strategy, for proving these estimates in the simplest case of Wigner matrices. The key idea behind the Zigzag strategy is a tandem of the characteristic flow method and a self-consistent Green function comparison (GFT) argument. Joint work with Giorgio Cipolloni and Laszlo Erds.

Monday, March 25, 2024 05:00pm - 06:00pm

Central Bldg / O1 / Mondi 2a (I01.O1.008)



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

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