



## Mathematics and CS Seminar

# Local geometry of the rough-smooth interface in the two-periodic Aztec diamond

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Random tilings of the two-periodic Aztec diamond contain three macroscopic regions: frozen, where the tilings are deterministic; rough, where the correlations between dominoes decay polynomially; smooth, where the correlations between dominoes decay exponentially. Previously, we found that a certain averaging of the height function at the rough smooth interface converged to the extended Airy kernel point process. In this talk, we discuss the local geometric picture give a conjecture for the local geometry at the rough-smooth interface. This is joint work with Kurt Johansson and Vincent Beffara.

**Tuesday, April 13, 2021 05:30pm - 06:15pm**

Online via Zoom



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

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