## Mathematics and CS Seminar

# Crossing probabilities of multiple Ising interfaces

### Eveliina Peltola

Université de Genève

Host: M. Beiglböck, N. Berestycki, L. Erdös, J. Maas

I discuss crossing probabilities of multiple interfaces in the critical Ising model with alternating boundary conditions. In the scaling limit, they are conformally invariant expressions given by so-called pure partition functions of multiple SLE(kappa) with kappa=3. I also describe analogous results for critical percolation and the Gaussian free field.This is joint work with Hao Wu (Yau Center / Tsinghua University).

### Tuesday, February 12, 2019 05:30pm - 06:30pm
Uni Wien HS 11, 2. OG, OMP 1

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