ID de Contribution: **4**   Type: **Non spécifié**

On Crossing Probabilities in Critical Random-cluster Models

lundi 30 mai 2022 14:30 (1 heure)

I will discuss exact solvability results (in a sense) for scaling limits of interface crossings in critical random-cluster models in the plane with various boundary conditions. The results are rigorous for the FK-Ising model, Bernoulli percolation, and the spin-Ising model inappropriate setups. The scaling limit formulas describe structures in the corresponding boundary conformal field theory. (Based on joint works with Yu Feng, Mingchang Liu, and Hao Wu - all at Tsinghua University, China).

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