

Workshop on Integrability



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Type: 40 Min Talk

Universality and conformal invariance in percolation models

Wednesday, 30 March 2022 17:00 (1 hour)

In this talk, I will describe our investigations of the universal behaviour of two critical percolation models: site percolation on the triangular lattice and bond percolation on the square lattice. Both are Yang-Baxter integrable models that can in principle be solved exactly. In the scaling limit, they are conformally invariant and described by non-unitary representations of the Virasoro algebra. I will describe our calculation of the models' partition functions on the cylinder and torus. This is joint work with A. Klümper and P.A. Pearce.

Primary author: MORIN-DUCHESNE, Alexi (Ghent University)

Presenter: MORIN-DUCHESNE, Alexi (Ghent University)

Track Classification: Participants Talks: Abstracts of Participants Talks