

Quantum integrable systems, conformal field theories and stochastic processes



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Conformal bootstrap approach to critical percolation

We consider the connectivity properties of random Potts clusters. Using a conformal bootstrap approach together with MonteCarlo simulations, we tackle the long-standing problem of the behaviour of the bulk many-points connectivities of random Potts cluster. We discuss our results focusing in particular on the critical percolation theory.

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