

Constrained-degree Percolation

Diogo Carlos dos Santos¹, Remy Sanchis¹, Bernardo de Lima¹

¹ Universidade Federal de Minas Gerais - UFMG

In this poster we will prove that the constrained-degree percolation model, which appears in [1], presents non-trivial phase transition when the graph in question is the lattice \mathbb{Z}^d and the restriction is constant equal at $2d-1$. We also prove that such percolation process there exists via arguments of interaction particle systems..

References

- [1] Teodoro, R., Constrained-degree Percolation, PhD thesis, IMPA, (2014).