

# Freezing phase transitions in lattice models and toy-models of quasicrystals

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Surprisingly, the understanding of simple models within the framework of classical lattice statistical mechanics, which exhibit a phase transition between a disordered phase and an ordered (crystalline or quasicrystalline) phase, has only progressed recently, notably through the use of ideas from dynamical systems. I will attempt to put things into perspective and discuss some very recent results.

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