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The Multinomial Ising Model

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The multinomial Ising model on a graph G=(V,E) is the Ising model on the N-fold "blow-up"G_N of G, whose vertices are V X [N], and edges connect (u,i) to (v,j) if u and v are adjacent. In the limit of large N, we find the critical temperature, phase transitions, conformal invariance properties at criticality, and limit shapes.
This is joint work with Cosmin Pohoata.

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