

[P14] Laplacian Roughening Model and Fisher Zeros

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We study the equilibrium discrete Laplacian roughening model on a triangular lattice by using the Wang-Landau Monte Carlo method and the Fisher zeros. We calculate the Fisher zeros from the density of states estimated by the Wang-Landau method.

We find that there is a single phase transition at $T=1.85(1)$ through the Fisher zeros and its finite size scaling.