Jean-Dominique Deuschel
Technische Universitat Berlin

Gradient Gibbs distribution with non-convex potential at high temperature

We consider a gradient Gibbs measure with non convex potential and show that it behaves at high temperature like a gaussian free field. The proof is based on the fact that the marginal distribution of the even sites has a strictly convex Hamiltonian for which we can apply the random walk representation.

This is a joint work with Codina Cotar