

The entropic signature of freezing in Gaussian mean-field models

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The freezing property, initially introduced and studied in the context of random polymers, is recently investigated in a series of works for the log-correlated Gaussian fields and branching Brownian motion. By relating the freezing property with the entropy of the Gibbs measure, we give a new definition of freezing and illustrate this in a general class of Gaussian mean-field models.