

Abstract Submitted
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Spin-glass correlations in classical dipoles VADIM OGANESYAN,
Yale University — We present analytic mean-field and high-temperature expansion
results on thermodynamics of classical Ising dipoles in the strongly diluted regime.
These display a broad distribution of couplings resulting in strong enhancement
of the spin-glass transition temperature from the naive estimate. We comment on
reliability of these results and their relationship to other approaches.

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