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On a cavity field perturbation of the GREM

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According to the variational principle identified by Aizenman–Sims–Starr, the Parisi solution for the SK-model corresponds to a one spin perturbation of the Derrida–Ruelle cascades. To shed light on the emergence of these structures we introduced, *in joint work with Erwin Bolthausen*, a natural finite size approximation of the limiting picture. I will report on our findings.