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Dynamic concentration in random greedy processes

Let \mathcal{H} be a D -regular, r -uniform hypergraph on n vertices, where r is fixed and $D \rightarrow \infty$ as $n \rightarrow \infty$. In this talk we survey some recent results on the random greedy matching algorithm and the random greedy independent set algorithm applied to \mathcal{H} . These random processes have implications for some classical questions in combinatorics. In this talk we focus on the questions that remain open.