

Calderon -Zygmund Analysis Seminar

Monday, February 22nd, 3:45 pm (cdt)

Random tensor and nonlinear dispersive equations

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Abstract. We discuss recent developments in the random data theory for nonlinear dispersive equations. In particular, we introduce the methods of random averaging operators and random tensors, which have been used to solve the full 2D Gibbs measure problem, and prove almost-sure well-posedness results at optimal regularity. This is joint work with Andrea R. Nahmod and Haitian Yue.