



北京理工大学

数学与统计学院学术报告

Global dynamics and group property for weakly dispersive Schrödinger equations

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摘要: Bourgain-Bulut developed a novel approach to construct global dynamics for nonlinear dispersive equations in the almost sure sense. However, their method does not establish the flow property of the limit dynamics, which is essential for applying the Poincaré recurrence theorem. We illustrate how the recent theory developed by Deng-Nahmod-Yue can be used to overcome this obstacle using the weakly dispersive Schrödinger equation as an example.