

## Graduate Analysis Seminar

### *Derivation of Nonlinear Schrödinger equation from many-body systems*

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**Abstract:** The nonlinear Schrödinger equations have attracted a lot of attention from the mathematical community, which emphasizes the importance of making their derivation rigorous. In this talk, we look at the derivation of a certain type of NLS from many-body interactions of bosonic particles with many-body interactions.

Tuesday, October 28 at 4:00 PM in SEO 1227