

# 学术报告

## Uniqueness of ground states for nonlinear Schrödinger equations with attractive inverse-power potential

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**Time:** 15:30-16:30, March 12 (Tuesday) 2019

**Venue:** Room 208, Center for Applied Mathematics

**Abstract:** In this talk, we consider the uniqueness of ground states for stationary nonlinear Schrödinger equations with a focusing power-type nonlinearity and an attractive inverse-power potential. We prove that all ground states are positive up to phase shift, radial, and decreasing.

Moreover, we prove the uniqueness of positive radial solutions.

欢迎大家参加！