

学术报告

Infinitely Many Solutions for a Nonlinear
Schrödinger Equation with General
Nonlinearity

Associate Professor Yohei Sato

Saitama University

Time: 16:10-16:55, May 10 (Thursday) 2018

Venue: Room 111, Center for Applied Mathematics

Abstract : We consider about the existence of infinitely many solutions for $-\Delta u + V(x) u = f(u)$ in \mathbb{R}^N , $u \in H^1(\mathbb{R}^N)$.

Here, when $|x|$ goes to infinity, $V(x)$ approaches to a positive constant and $V(x)$ satisfies some conditions.

We require conditions on $f(u)$ only around 0 and at infinity.

This is a joint work with Masataka Sibata (Tokyo Institute of Technology).

欢迎大家参加！