

1132-35-310

Benoit Pausader*, 791 Tremont Street, Boston, MA 02118. *Growth of Sobolev norms for the Nonlinear Schrodinger equation.*

We consider the cubic nonlinear Schrodinger equation on a waveguide and show that for any $s > 0$, $s \neq 1$, there exists a global solution in H^s whose norm grows unboundedly. This is a joint work with N. Tzvetkov. (Received July 25, 2017)