

Finite time blow up for focusing supercritical NLS and compressible fluids

Jeremie Szeftel

Sorbonne University

JEREMIE.SZEFTEL@SORBONNE-UNIVERSITE.FR

Abstract

I will present results in collaboration with Frank Merle, Pierre Raphaël and Igor Rodnianski concerning finite time blow up for the defocusing supercritical NLS equation, for compressible Euler equations, and for compressible Navier-Stokes equations.