

The energy-critical nonlinear wave equation on perturbations of Minkowski spacetime

Shi-Zhuo Looi

Abstract

In the setting of Minkowski space, global existence for the energy-critical defocusing nonlinear wave equation was proved by Shatah and Struwe and scattering was proved by Bahouri and Shatah. In this talk, I will outline a proof of scattering for perturbations of Minkowski space that have appropriate decay at infinity. This is joint work with Mihai Tohaneanu.