

Seminar EDPs

Speaker: Christopher Maulén, Universidad de Chile.

Title: Asymptotic stability manifolds for solitons in the generalized Good Boussinesq equation.

Abstract: In this talk, I shall consider the generalized Good-Boussinesq model in one dimension, with power nonlinearity and data in the energy space $H^1 \times L^2$. I will present in more detail the long-time behavior of zero-speed solitary waves, or standing waves. By using virial identities, in the spirit of Kowalczyk, Martel, and Muñoz, we construct and characterize a manifold of even-odd initial data around the standing wave for which there is asymptotic stability in the energy space.

Thursday (4/15) at 4:15 pm (Chilean time).

Link:

<https://uchile.zoom.us/j/82131734908?pwd=QmNWc0hpTDFTMnQvN2Ntd1FueHpodz09>

Meeting ID: 821 3173 4908

Passcode: 869502