

WELL-POSEDNESS FOR DISPERSIVE PDES ON THE HALF-LINE

ERIN COMPANN

We will discuss a method for obtaining well-posedness for dispersive PDEs posed on a half line. It allows us to apply powerful Fourier transform methods to half-line problems. In this talk, we show well-posedness and smoothing results obtained for the "good" Boussinesq model. We also discuss global results for the Klein-Gordon-Schrodinger system.