PHILIPPE GUYENNE, McMaster University, 1280 Main St. W, Hamilton, ON *Solitary wave interactions* 

We study numerically the interactions of solitary water waves for the full Euler equations. Both collisions of co- and counterpropagating solitary waves are considered. We show that the collisions are inelastic and generate small residual waves. Comparisons with KdV predictions and lab experiments will be discussed.