1126-35-306   **Marco Bertola**, **Gennady El** and **Alexander Tovbis*** (`alexander.tovbis@ucf.edu`), Department of Mathematics, University of Central Florida, Orlando, FL 32816. *Maximal amplitude of multiphase (finite-gap) solutions of the focusing Nonlinear Schrödinger equation and large amplitude (rogue) waves.*

We derive the sharp estimate for a maximum amplitude of a finite gap solution to the focusing Nonlinear Schrödinger equation (Received January 16, 2017)