1107-35-104   **Mihaela Ifrim*** (`ifrim@math.berkeley.edu`) and **Daniel Tataru**. *The lifespan of small data solutions in two dimensional water waves.*

We consider water wave equations in two space dimensions expressed in position-velocity potential holomorphic coordinates, and prove that small data solutions have at least cubic lifespan, while small localized data leads to global solutions. (Received January 06, 2015)

1