

1104-35-81

Fabio Pusateri* (fabiop@math.princeton.edu) and **Alexandru D. Ionescu**. *Global regularity for 2d water waves with surface tension.*

We consider the irrotational water waves system with surface tension and no gravity in dimension two, and prove global regularity for suitably small perturbations of a flat interface. (Received August 21, 2014)