1099-35-286   **Olga Trichtchenko*** (`ota6@uw.edu`), Lewis Hall #202, Box 353925, Seattle, WA 98195-3925.
Stability of Near-Resonant Gravity-Capillary Waves. Preliminary report.

I will present results on the computation and stability of periodic surface gravity-capillary waves that are in a near-resonant regime. In the zero amplitude limit, the parameters defining these solutions almost satisfy the resonance condition that leads to Wilton ripples. This manifests itself as a small divisor problem in the Stokes expansion for these solutions. We compute such solutions and investigate their stability using Hill's method. (Received February 10, 2014)