1147-76-172   **Hisashi Okamoto*** (`hisashi.okamoto@gakushuin.ac.jp`), 1-5-1 Mejiro Toshima-ku, Tokyo, Japan. *Numerical experiments for weak periodic solutions of the Fornberg-Whitham equation.*

Spatially periodic solutions of the Fornberg-Whitham equation are studied to illustrate the mechanism of breaking of water-waves and the formation of shocks for a large class of initial data. We show that these solutions can be considered to be weak solutions satisfying the entropy condition. By numerical experiments, we will show that the wave-breaking is of shock-wave type and that traveling waves are stable. (Received January 07, 2019)