1147-35-795    **Ken-ichi Maruno\*** (`kmaruno@waseda.jp`), Faculty of Science and Engineering, Waseda University, 3-4-1 Okubo, Shinjuku-ku, Tokyo 169-8555, Japan, and **Shinya Kido** and **Satomi Nakamura**. *An integrable discretization of the complex WKI equation and a vortex filament.*

It is known that the complex WKI equation describes the motion of a vortex filament. We consider an integrable discretization of the complex WKI equation by using geometric approach and numerical computations of a vortex filament by using our discrete system. (Received January 28, 2019)