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)