1116-VE-1538   **Hulya Kadioglu*** (`hkadio@yildiz.edu.tr`), Yildiz Technical University, Department of, Mathematics Education, Esenler, 34220 Istanbul, Turkey. *Canonical Involution on Double Jet Bundles.* Preliminary report.

We present a secondary vector bundle structure on a 1-jet of a vector bundle. In terms of the manifold structures, we prove that both belongs to the same atlas. We also prove that 1-jet of a jet bundle can be considered as a quotient of a second order jet bundle. Moreover, we show that these two structures are isomorphic on 1-jet bundle of a jet bundle by defining a canonical involution that interchanges between such structures. (Received September 20, 2015)