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Meng Zhang* (zhangmengbucea@126.com), No.1 Zhanlanguan Road, Xicheng District, Beijing, 100044, Peoples Rep of China. *Order-1 Periodic Solution of State Feedback Impulsive System.*

State feedback impulsive system is a kind of more advanced dynamic control of ODE comparing with time period impulsive one. In this kind of dynamic model, the impulsive disturbance is applied according to the state of the variables of the model which makes the artificial control more accurately. Some definitions of state feedback are different with those of ODE. The report will focus on basic theoretical system of state feedback impulsive system, especially on its order-1 periodic solution. The existence and stability of the order-1 periodic solution will be analyzed. (Received January 18, 2019)