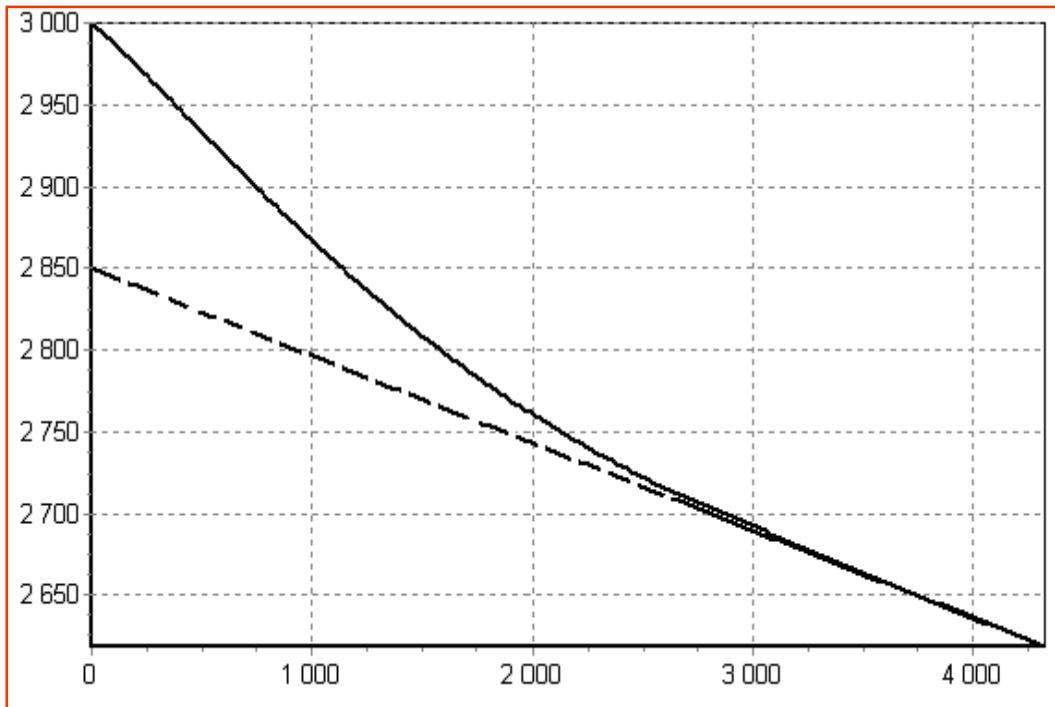


**Fig. 2. The trajectory of aircraft flight in vertical plane with non-optimal control system**



**Fig. 3. The trajectory of aircraft flight in vertical plane with synthesized optimal control system**