

# **Fuzzy Control System for Aircraft Speed on Approaching Runway**

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## **Abstract**

*A fuzzy decision system for air helping air-traffic experts in controlling aircraft velocities and in keeping an aircraft flight within several constraints established of air lane section. Automatic systems for air-traffic control are essential due to the ever increasing number of aircrafts flying all over the world, the amount of environmental and aircraft constraints and the necessary to guarantee the safety both for flights and for air traffic operators. The proposed systems implement with fuzzy control system, to obtain the desired speed. The knowledge and rules are obtained from F7 pilots experts. In this system, we will maintain the aircraft speed within the desired speed according to the knowledge and the rule.*