

## Abstract Details

**Title:** Altitude Autopilot System Comparison using PID

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**Abstract:** The aim of this paper designs an autopilot of aircraft on the basis of control with PID control, and is used to determine the control method. To apply control with PID control method, it has been a model for the journey with the console mode. Is derived from the transfer function is determined using a short period of time, through transfer function equation aircraft. Control with PID control with values that maintain a stable system of any change in the value of the controller. The system was designed and tested to ensure the stability of the autopilot system, using. MATLAB SIMULLINK blocks in two different scenarios to assess the stability of the system design.

**Keywords:** Autopilot of aircraft, PID controller, flight system.