

SOME PRACTICAL RECOMMENDATIONS IN ANTI-WINDUP DESIGN

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ABSTRACT

The paper gives several practical recommendations on how to implement anti-windup compensators in a PID controller. The paper considers different problems related to direct process input measuring and possible controller error caused by anti-windup algorithm. The same problem arises when the process actuator contains general non-linearity. The method with a free parameter of the anti-windup compensator is proposed.