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Controller

PIDController

-kp: double
-kd: double
-ki: double
-setpoint: double
-integral_error: double
-out_min: double
-out_max: double
-sampling_time: double
-prev_error_: double

+PIDController(...)
+calculate(in setpoint:double,
in measurement:double): double

Responsibilities

-- Computes control signal using PID algorithm