

PID Controller Class Diagram	
	Controller
	- kP: double - kI: double - kD: double - error: double - controlOutput: double - output: double - state: double - initialized: bool
	+Controller(void):void +isInitialized(void):bool +Controller(double,double,double):void +compute(double):void +getkP(void):double +setkP(double):void +getkI(void):double +setkI(double):void +getkD(void):double +setkD(double):void +setkD(double):void +returnState(double):void