UML CLASS DIAGRAM

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virtualPID

+ kP : double
+ kI : double
+ kD : double
+ dT : double

<<constructor>>
+ virtualPID()
<<destructor>>
+ ~virtualPID() : virtual
+ compute(actual:double, current:double): virtual double
+ setKP(kp:double) : virtual bool
+ setKD(kd:double) : virtual bool
+ setKI(ki:double) : virtual bool

Base Class

Derived Class

PidController

<<constructor>>
+ PidController()
+ PidController(kp,kd,ki,dt : double)
<<destructor>>
+ ~PidController()
+ compute(actual:double, current:double): double
+ getKP() : double
+ getKD() : double
+ getKI() : double