

## PID UML : Pair B

### PID

- \_Kp: double
- \_Ki: double
- \_Kd: double
- \_dt: double
- \_min: double
- \_max: double
- \_error: double
- \_prev\_error: double
- \_integral: double
- \_derivative: double

- + updateGains(double, double, double, double, double, double): void
- + calculatePID(double, double): double
- + getKp(): double
- + getKi(): double
- + getKd(): double
- + getdt(): double