

## PID

- **k\_p: double**
- **k\_i: double**
- **k\_d: double**
- **old\_error: double**
- **min: double**
- **max: double**

- + **Get k\_p(): double**
- + **Get\_k\_i(): double**
- + **Get\_k\_d(): double**
- + **CalculateCummulativeError(double): double**
- + **ErrorDerivativeCalculation(double): double**
- + **ComputeVelocity(double,double): double**
- + **checkParams(): void**