**Reflection**

**P (Proportional term)**: The system response speed increases with the size of parameter but at the same time, it causes the system to become more and more shaky. "P-term.mkv" video shows this and the accompanied derail of the system.

**D (Differential term)**: It is primarily used to remove system fluctuations. "PD-terms.mkv" video shows this. It reduces shakiness of system

**I (Integrate term)**: It is mainly used to remove system bias hence very accurate. "PID-terms.mkv" video shows this.

The final hyperparameters were chosen based on trial and error and a little bit of thinking.