

Class 3 - Forms

Name:

1 - Consider the robots and machines:

- Prusa i3 MK3S from Prusa Research
- An elevator
- TALOS from PAL Robotics

Identify where there are possible controllers PID on them (it's ok to use the internet for more information).

2 - Draw a block diagram for the control system of an elevator reaching some height.

3 - Write 3 examples of open-loop control and 3 of closed-loop control.

How interesting was this class?

- ☐ What am I doing with my life? ☐ I think I'm sleeping. ☐ I want to sleep.
- ☐ I'm happy to take this class, but I'm not sure if I have a good reason to be here.
- ☐ I liked the class and I want to use a PID on my hand when I control some delicate thing.

Can you talk more about it?

Any additional feedback?

Class 4 - Forms

Name:

1 - Consider the robots and machines:

- Aibo from Sony
- da Vinci Surgical System from Intuitive Surgical
- Spot from Boston Dynamics

Identify the sensors of them and what information they can get from their fusion (it's ok to use the internet for more information).

2 - Where could you use a kalman filter on your study area?

How interesting was this class?

- ☐ It's over. At least.
- ☐ I think I'm sleeping.
- ☐ I want to sleep.
- ☐ I'm happy to take this class, but I'm not sure if I have a good reason to be here.
- ☐ I liked the class and I want to fuse some sensors..

Can you talk more about it?

Any additional feedback?