KENTECH
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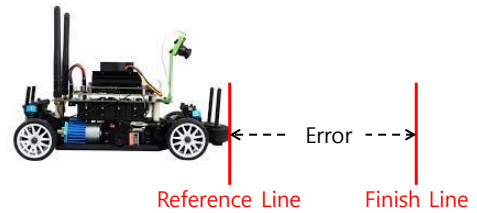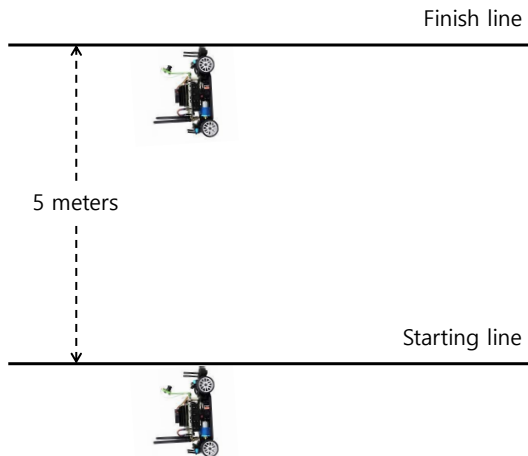
Visionary Course – Energy AI
Week 10

May 6, 2022
Hyuk Lim

KENTECH
Korea Institute of Energy Technology

Week 10a – Fun with JetRacer

Mission 1

Go straight and stop!

Finish line

5 meters

Starting line

Error

Reference Line   Finish Line

Write a Python code that achieves the minimum error.

When ready, do it and report you error to TA.
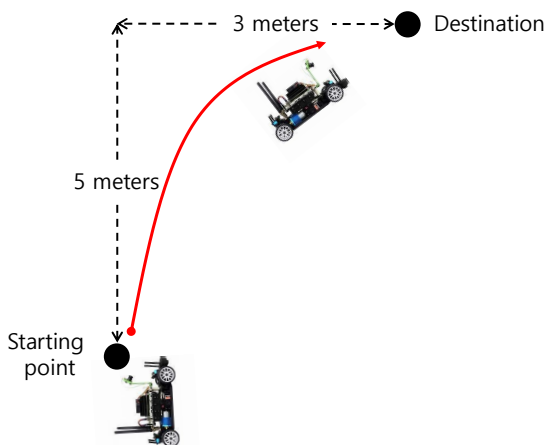
```
import time
...
...
car.throttle=1
time.sleep(10)
car.throttle=0
```

3

Mission 2

Stop by your destination!

3 meters   Destination

5 meters

Starting point

Error

Destination

Write a Python code that achieves the minimum error.

When ready, do it and report you error to TA.

4

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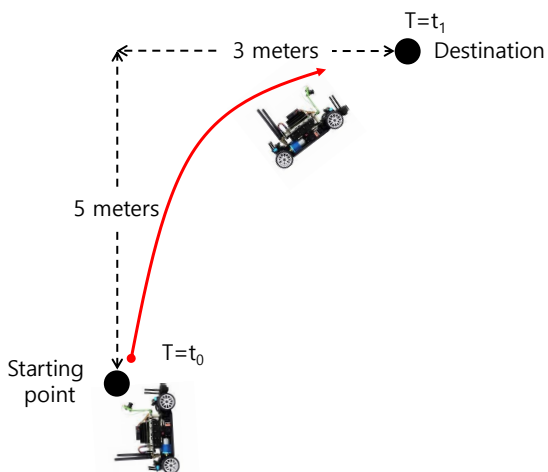Korea Institute of Energy Technology

Week 10b – I am a JetRacer Race Driver

Mission 3

Get to your destination ASAP!

T=t_1
← --- 3 meters ---→ ● Destination

5 meters

Starting point   T=t_0 ●

$\triangle$d ---→ ● Destination

Error = $\triangle$d x $\triangle$T
= $\triangle$d x (t_1-t_0)

Write a Python code that achieves the minimum error.

When ready, do it and report you error to TA.

```
import time
t0=time.time()
...
...
...
t1=time.time()
print(t1-t0)
```