

EECS192 Lecture 12

Apr. 14, 2020

Notes:

1. Quiz 5 on 4/21 on steering model
2. HW 3 due 4/24 – learning (handout later this week)
3. Round 1 today

Round 1 Scoring

6 points	Moves
6.5 points	Makes first turn
7 points	Completes 1/2 of the track in < 5 minutes
8 points	Completes whole track in < 5 minutes about 0.3 m/s
9 points	Completes whole track in 2 minutes or less about 0.8 m/s
>9 points	For cars which are fast and/or well- stabilized

Deductions

- 0.3 points Twitchy steering
- 0.3 points Goes wide on curves
- 0.3 points Oscillatory step response
- 0.3 points Over 60 sec
about 1.6 m/s
- 0.5 points Hits cone(s)

Spring 2019 Round 1 Results

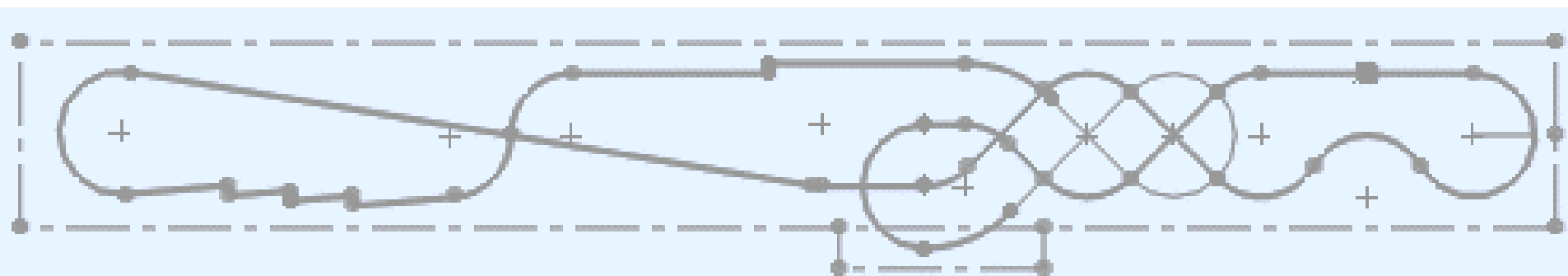
Whole track <60 seconds (9+ pts):

N=8 (28.565, 32.65, 34.26, 34.457, 38.68, 40.656, 46.156, 46.812)

Whole track > 60 seconds: N=1 (67.193)

9 teams

Track length- ~ 65 meters. Top speed 2.3 m/sec



Round 2 notes

- 0.5 points Twitchy steering
- 0.5 points Goes wide on curves
- 0.5 points Oscillatory step response
- 1 point Loose hardware including car scraping on track
- 1 point Hits cone(s)
- 0.5 points Overshoot Natcar Finish Line (6 ft after finish line)
+ 4 second penalty in lap time

Extra Slides