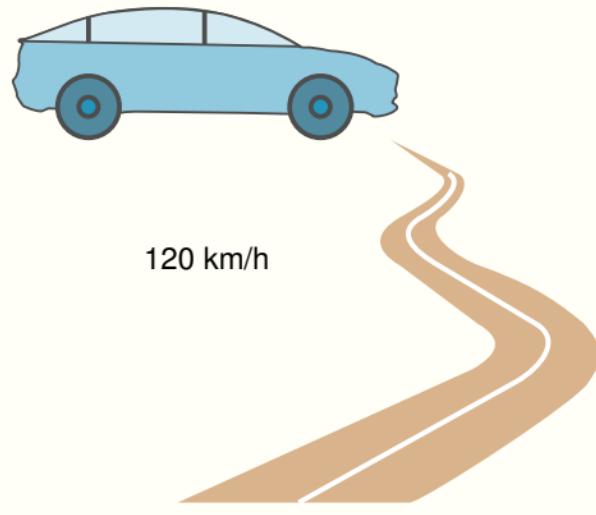


Obstacle ahead



Why latency matters?

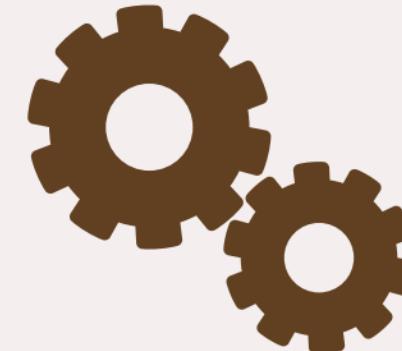
Driving Simulator



$$120 \text{ km/h} = 33.33 \text{ m/s}$$
$$1 \text{ s: } 33.33 \text{ m}$$
$$1 \text{ ms: } 0.033 \text{ m}$$

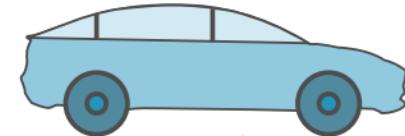
Vehicle
Dynamics

XYZ Simulator (e.g. GNSS)



Latency = 100 ms

Where were you in
a real life scenario?



Uncertainty = 3.33 m



Avoid Collision