Perception and localization

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November 20, 2020

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1 Introduction

Perception: detect the object, classify the object, estimate the object's trajectory.
The assumed sensor-suite is the following

	Sensor(s)	computing platform
Perception	LiDAR, Camera	

2 Extended Kalman Filter

The puprose of extended kalman filter in AD problem is to track objects .

3 Particle Filter

Vehicle ego-localization via particle filter