

중간발표

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Constraints we kept

About Vehicle

$$(0 < \textit{VehicleSpeed} \leq 5.5) \wedge \\ (\textit{InitialSpeed} = 5.5) \wedge \\ \textit{UseAllowedSensor} \wedge$$

About Task

$$(\textit{DetectChild} \implies \textit{Stop}) \wedge \\ (\textit{DetectRedLight} \implies \textit{Stop}) \wedge \\ \textit{LaneKeeping} \wedge \\ \textit{Parking} \wedge$$

Implementation (Briefly)

- Matlab Function block 사용 안함
- 기능 별로 모듈화 (for readability)
- Sensor data 만을 활용해서 차량을 제어함
- LKAS Module은 그대로 사용
 - as black box

Demo Video (Click)