femporal Logic

Propositions

```
p, q, r: True or False
```

(Representing system events)

Boolean Operators

```
\land (and) \lor (or) \neg(neg) \Longrightarrow (implies)
```



Timed Temporal Operators



Always, if an obstacle is hit, then, within two seconds, turn left: $G(obs \implies F_{[0,2]} left)$

Metric Temporal Logic (MTL)

Temporal Logic

Metric Temporal Logic (MTL)

Propositions

p,q,r: True or False (Representing system events)

Boolean Operators

$$\land$$
 (and) \lor (or) \neg (neg) \Longrightarrow (implies)

Timed Temporal Operators



Always, if an obstacle is hit, then, within two seconds, turn left: $G(obs \implies F_{[0,2]} left)$

Temporal Logic

Signal Temporal Logic (STL)

Predicates

Boolean Operators

$$\land$$
 (and) \lor (or) \neg (neg) \Longrightarrow (implies)

Timed Temporal Operators

