femporal Logic

Predicates

p > 20, q < 5.4

Boolean Operators

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



Timed Temporal Operators



Always, if obstacle is within 20 mm, then, within two seconds, turn left: $G(obs < 20 \implies F_{[0,2]} left)$



Temporal Logic

Signal Temporal Logic (STL)

Predicates

Boolean Operators

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

Timed Temporal Operators



Always, if obstacle is within 20 mm, then, within two seconds, turn left: $G(obs < 20 \implies F_{[0,2]} left)$

Temporal Logic Inference

