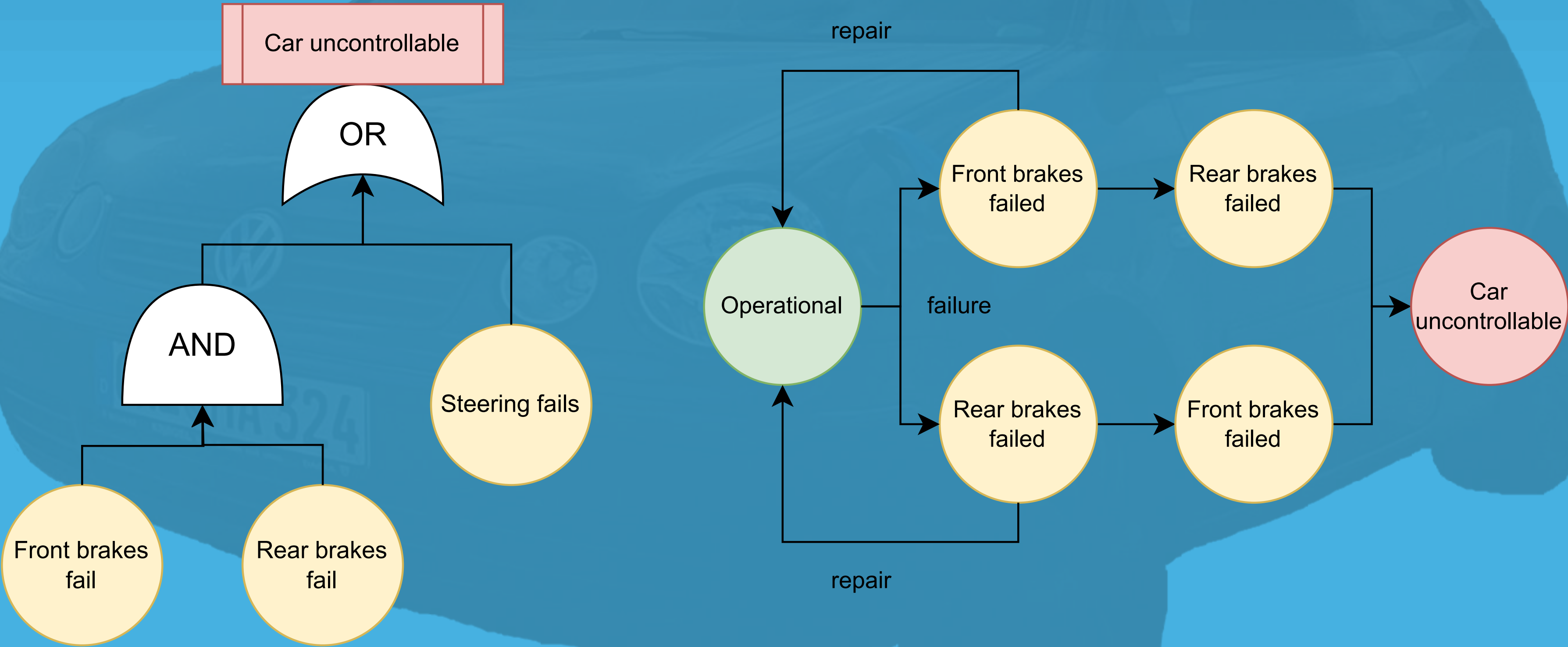


Formalizations of CPS Lifecycle Knowledge for Zero-Downtime

Formal Methods

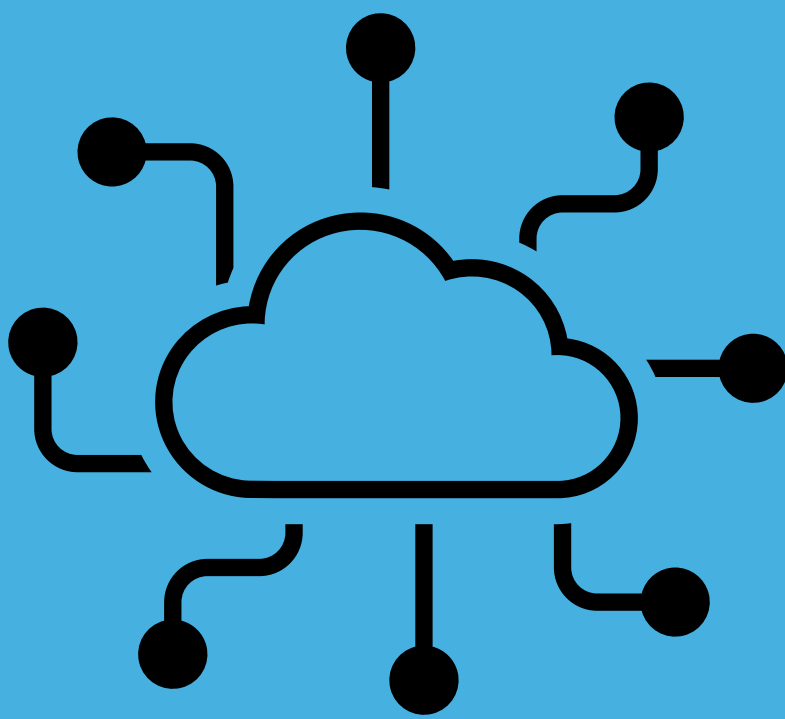
Fault Trees

Markov Processes



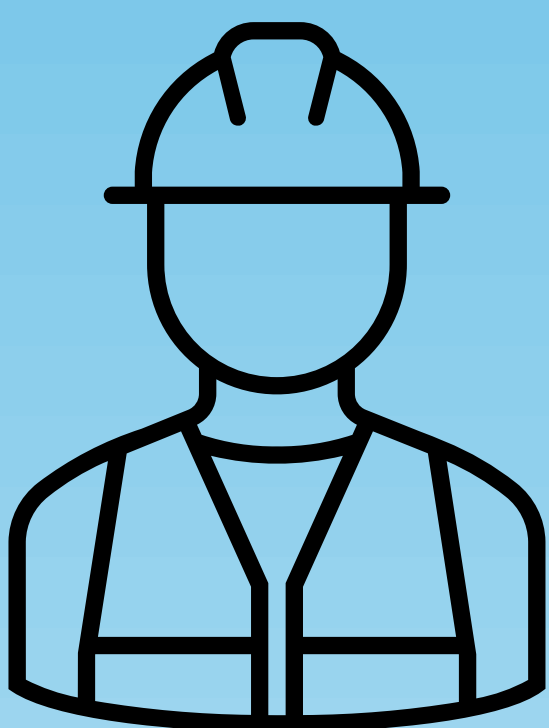
- ✓ Intelligent decision making
- ✓ Formal guarantees

Supports



- ✓ Integrated knowledge
- ✓ Aligned communication
- ✓ Domain understanding

Supports



- ✓ Domain-native models
- ✓ Traceability
- ✓ Expert in the loop

Ontological Analysis

Top-down

Bottom-up

Knowledge Sources

