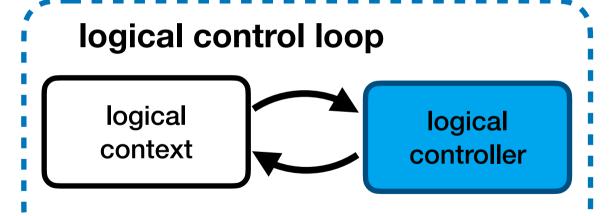
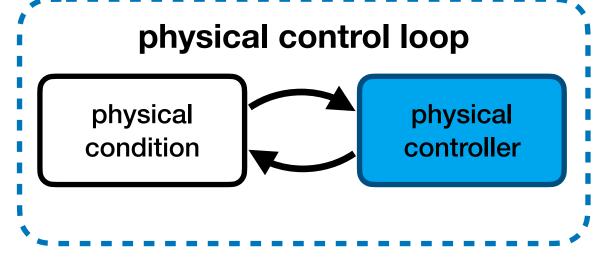
Higher Logical Layer



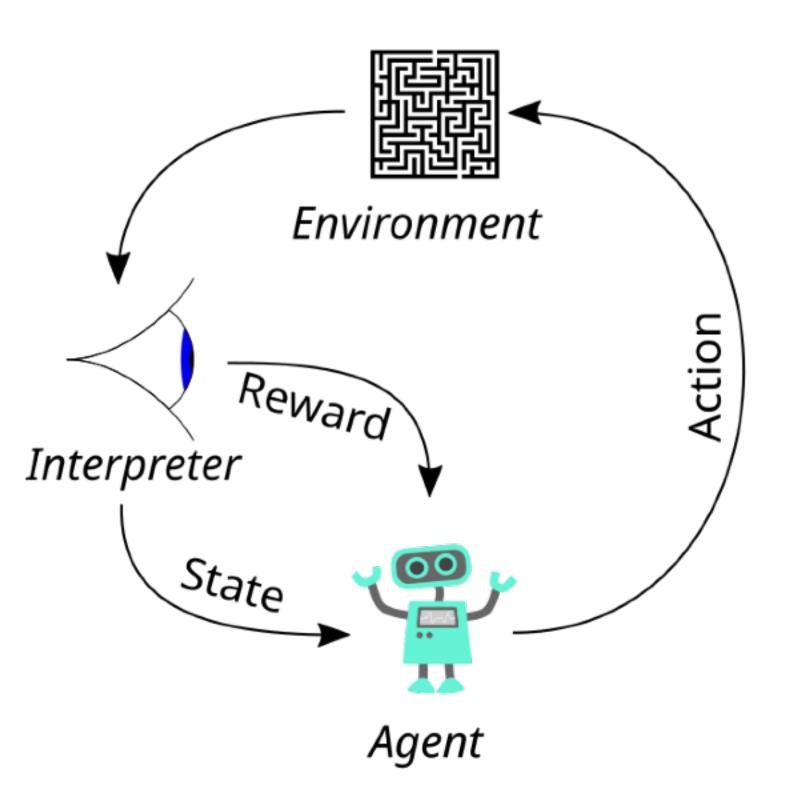


Lower Physical Layer



Artificial Intelligence: Data-driven Approaches

Reinforcement Learning



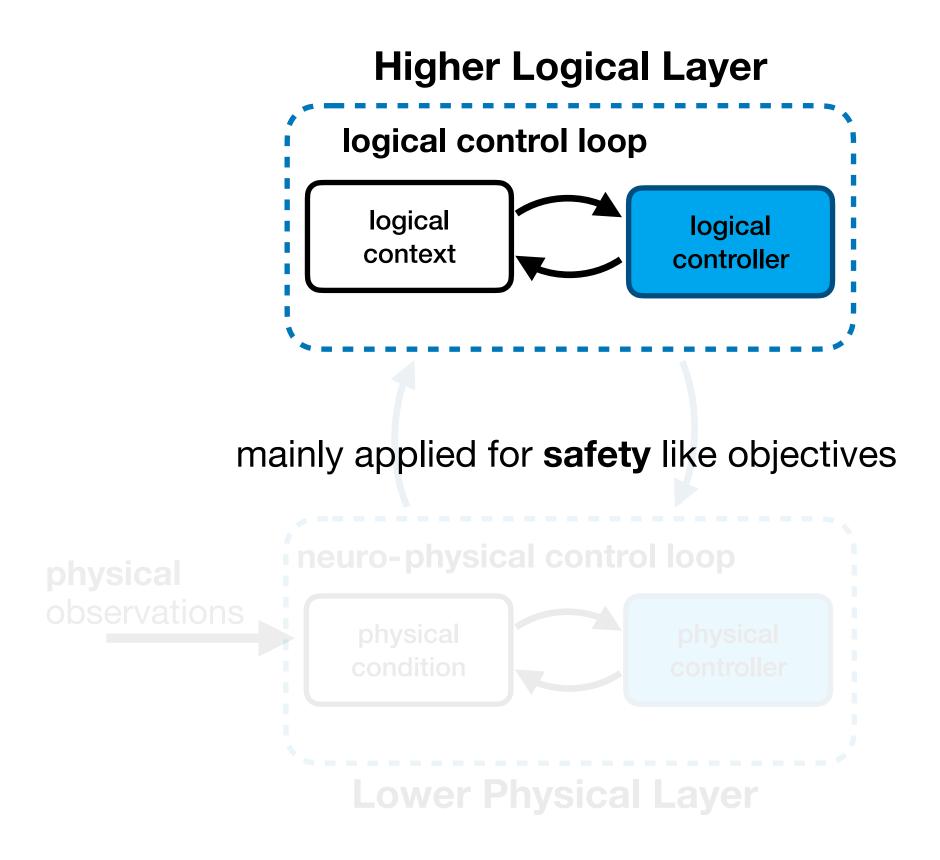
The feedback is in form of rewards!

neurophysical observations .

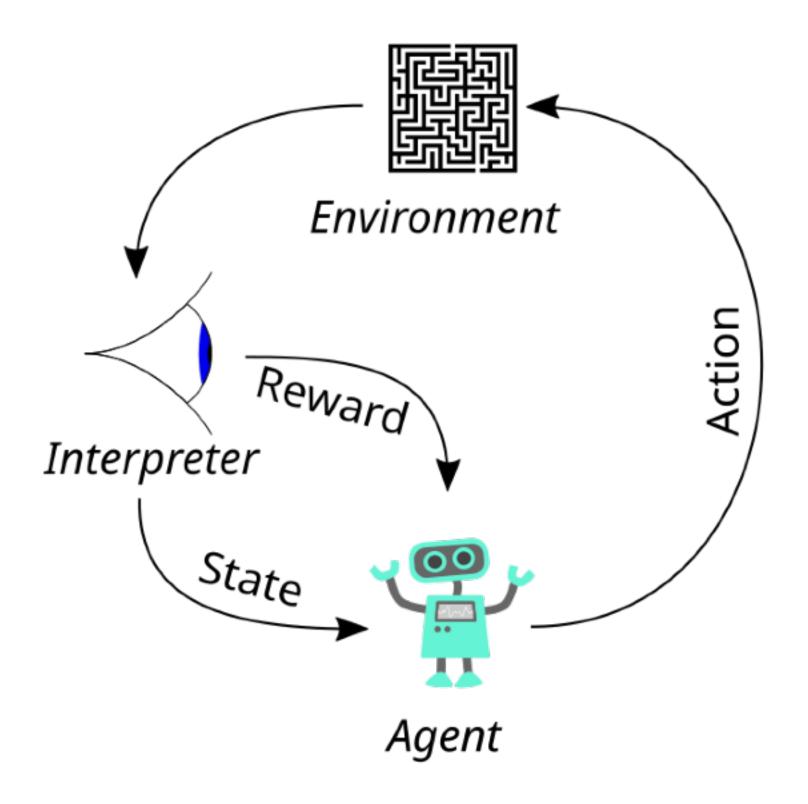
mainly applied for safety like objectives

Towards sequential or long-horizon complex tasks!

Artificial Intelligence: Data-driven Approaches



Reinforcement Learning



The feedback is in form of rewards!

Towards sequential or long-horizon complex tasks!

Trustworthy Al

Towards trustworthy decision making leveraging Formal Methods and RL

Specification Inference

Verification

Ensure controller satisfies the goal'

Adaptive Reactive Synthesis