

Model Free Reinforcement Learning

Application to Area Coverage Optimization

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- Area Coverage Algorithm
- problem Setup
- Milestones

Area Coverage Algorithm

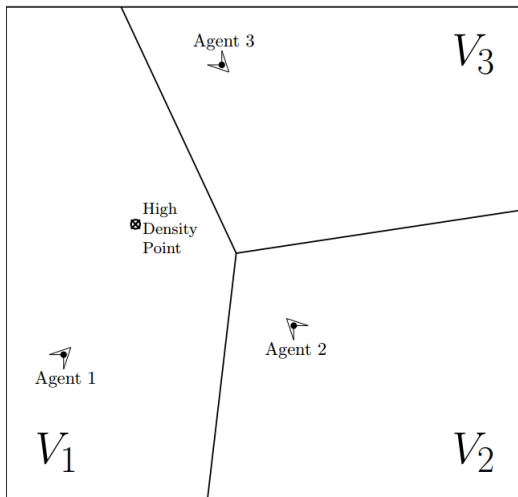


Figure: Voroni regions

Problem Setup

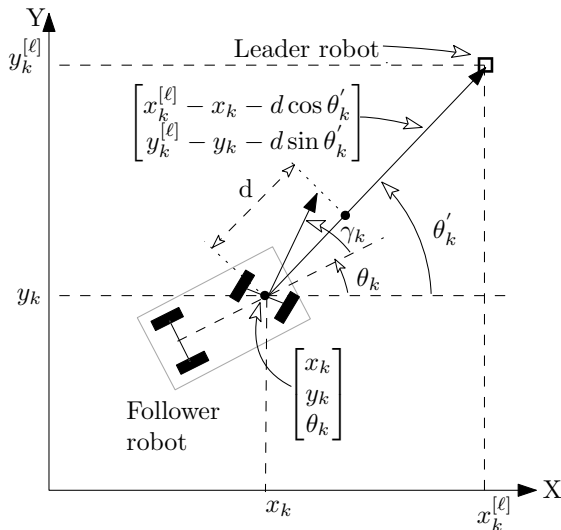


Figure: Problem Setup

Milestones

- Merge the leader follower model free reinforcement learning as a function in the area coverage algorithm.
- Simulate the results in matlab.
- Integrate matlab with CoppeliaSim and perform the simulation.

Questions?