

Graph Exploration Seminar - Themen

Single Agent Exploration

1. Exploring unknown environments.
Jakob (Betreuer Yann)
2. Random walks, universal traversal sequences, and the complexity of maze problems.
Frederic (Betreuer Jan)
3. On the power of the compass (or, why mazes are easier to search than graphs).
Lars (Betreuer Yann)
4. Optimal constrained graph exploration.
Judith (Betreuer Yann)
5. Directed graph exploration.
Tim (Betreuer Yann)
6. Universal traversal sequences with backtracking.
Jonas I. (Betreuer Yann)
7. Online graph exploration: New results on old and new algorithms.
Dominique (Betreuer Yann)

Collaborative Exploration

8. The power of team exploration: Two robots can learn unlabeled directed graphs.
Peter (Betreuer Jan)
9. Collective tree exploration.
Alexander (Betreuer Jan)
10. Fast collaborative graph exploration.
Frauke (Betreuer Yann)
11. Black virus decontamination in arbitrary networks.
Felix (Betreuer Jan)
12. Locating and repairing faults in a network with mobile agents.
Patrik (Betreuer Jan)
13. Why robots need maps.
Christopher (Betreuer Jan)
14. Map construction of unknown graphs by multiple agents.
Emil (Betreuer Jan)
15. Collaborative search on the plane without communication.
Jonas F. (Betreuer Jan)