Organization : SoSe 2024

Lectures:

Room 03-428 (Mittelkreutzbau), h12:15 - 14:00

Übungen:

Group 1: Room 05-136 (Mittelkreutzbau), h12:15 - 14:00
Group 2: Room Kernphysik Inst. Hörsaal, h12:15 - 14:00

- At least >50% of the exercises must be completed for the “Klausurzulassung”.
- Klausur: written exam (schriftlich).
- Project:
    - The final format will be communicated soon.
    - If will be carried out in groups.
    - It will be a “contest” among algorithms OR a project to be chosen from a list.
    - It is mandatory for writing the final exam (Klausurzulassung)

Course Schedule

Tue, 16. Apr. 2024	No exercises on 18.4
Tue, 23. Apr. 2024	
Tue, 30. Apr. 2024	
Tue, 7. May 2024	No exercises on 9.4 (Vacation)
Tue, 14. May 2024	
Tue, 21. May 2024	No exercises on 23.4
Tue, 28. May 2024	No exercises on 30.4 (Vacation)
Tue, 4. Jun. 2024	
Tue, 11. Jun. 2024	13.6 im P2 (Philosophicum)
Tue, 18. Jun. 2024	
Tue, 25. Jun. 2024	27.6 im P2 (Philosophicum)
Tue, 2. Jul. 2024	
Tue, 9. Jul. 2024	
Tue, 16. Jul. 2024	

Exercises

GROUP 1 (05-136): Surnames from A to J (included)

GROUP 2 (KPH-HS): Surnames from K to Z

Program Plan

1. Introduction: Overview, History, Approches
2. The concept of intelligent agent as IA paradigm
3. What an agent does: searching
4. Heuristic search algorithms
5. Constrained optimisation
6. Board games as testbed for AI
7. Logic and Logic-based agents
8. Satisfiability (SAT)
9. Propositional Logic
10. Fuzzy Logic
11. Planning agents
12. Machine Learning and Large Language Models