

CS378

Autonomous Multiagent Systems

Spring 2005

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Week 7b: Thursday, March 2nd

Good Afternoon, Colleagues

Are there any questions?

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- 10^{1000} behavior space — how many useful?
- Watchdog agent — how ensures safety?
- Node counting in real life
- How do we get global behavior from local behavior?
- Swarms in engineering? Any unique apps?

Logistics

- “OK to post” messages

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- Surveys

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- Faculty hiring talks start next week: T/R @ 11am

Robot Applications

Trail-Laying Robots :

- An application to **real robots**
- Trails marked with a pen
 - Future options(?): odor, fluorescence
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Task Allocation :

- Also on real robots
- How many is too many?

Class Discussion

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“All the world is a swarm, and all the men and women merely agents.”

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- ... Do network routing
 - build routing table mapping destinations to links at each node
 - Goal: minimal transit time for packets

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- Character animation (Reynolds, Star Wars)