Good Afternoon, Colleagues

Are there any questions?
Good Afternoon, Colleagues

Are there any questions?

- Debugging tips
Logistics

- Programming assignment 4 — any questions?
Logistics

- Programming assignment 4 — any questions?
- Week 5 assignments are up
Logistics

- Programming assignment 4 — any questions?
- Week 5 assignments are up
- Office hour: Monday 2–3 \textbf{and by appointment}
Logistics

- Programming assignment 4 — any questions?
- Week 5 assignments are up
- Office hour: Monday 2–3 and by appointment
- Discussion scheduling
Logistics

- Programming assignment 4 — any questions?
- Week 5 assignments are up
- Office hour: Monday 2–3 and by appointment
- Discussion scheduling
- Final exam time: Tuesday 5/16, 10–noon
Logistics

- Programming assignment 4 — any questions?
- Week 5 assignments are up
- Office hour: Monday 2–3 and by appointment
- Discussion scheduling
- Final exam time: Tuesday 5/16, 10–noon
  - Monday afternoon? (MWF noon-1pm)
  - Tuesday afternoon? (MWF 8-9am)
Mataric: Adaptive Group Behavior

- Built using subsumption architecture
Mataric: Adaptive Group Behavior

- Built using subsumption architecture
- More complex behaviors than in Brooks’ article
  - Multiagent
Mataric: Adaptive Group Behavior

- Built using subsumption architecture
- More complex behaviors than in Brooks’ article
  - Multiagent
- Hit a complexity limit?
  - (Subsumption or 3T more prevalent?)
Basis Behaviors

• Necessary and sufficient, not “optimal”
Basis Behaviors

- Necessary and sufficient, not “optimal”
  - Task dependent
  - Combinations: complementary, contradictory
**Basis Behaviors**

- Necessary and sufficient, not “optimal”
  - Task dependent
  - Combinations: complementary, contradictory

- Example: locomotion
Basis Behaviors

- Necessary and sufficient, not “optimal”
  - Task dependent
  - Combinations: complementary, contradictory

- Example: locomotion
  - Safe-wandering, following, dispersion, aggregation, homing
Basis Behaviors

- Necessary and sufficient, not “optimal”
  - Task dependent
  - Combinations: complementary, contradictory

- Example: locomotion
  - Safe-wandering, following, dispersion, aggregation, homing
  - What 2 multiagent architectures does she compare?
Basis Behaviors

- Necessary and sufficient, not “optimal”
  - Task dependent
  - Combinations: complementary, contradictory

- Example: locomotion
  - Safe-wandering, following, dispersion, aggregation, homing
  - What 2 multiagent architectures does she compare?
  - Anything special about this domain? Or could it apply just as well to others?
Class discussion

Jimmy Doyle on basis behaviors for other tasks
Class discussion

Jimmy Doyle on basis behaviors for other tasks

- Can human behavior be thought of as arising from a set of basis behaviors?
- What kinds of basis behaviors would they be?
Class discussion

Jimmy Doyle on basis behaviors for other tasks

- Can human behavior be thought of as arising from a set of basis behaviors?
- What kinds of basis behaviors would they be?
- Would they be the same as the ones Mataric listed?
- Are there others?