Good Afternoon, Colleagues

Are there any questions?
Logistics

- Please give page numbers (or something) in your questions/comments about the readings
Logistics

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- Programming assignment 4 - any questions?
Logistics

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- Programming assignment 4 - any questions?
- Orchestra (as a MAS)
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
  - Still complete behaviors at every layer
Basis Behaviors

- Necessary and sufficient, not “optimal”
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  - Task dependent
  - Combinations: complementary, contradictory
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  – What is added over subsumption?
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• Example: locomotion
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  – Safe-wandering, following, dispersion, aggregation, homing
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  – Safe-wandering: why treat kin differently from other obstacles? (p.8)
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  - Purely reactive? (in any sense)
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• Example: locomotion
  – Safe-wandering, following, dispersion, aggregation, homing
  – Safe-wandering: why treat kin differently from other obstacles? (p.8)
  – Purely reactive? (in any sense)
  – Anything special about this domain? Or could it apply just as well to others?
Class discussion

Byung Kang on basis behaviors for soccer
Discussion

• Is subsumption practical?