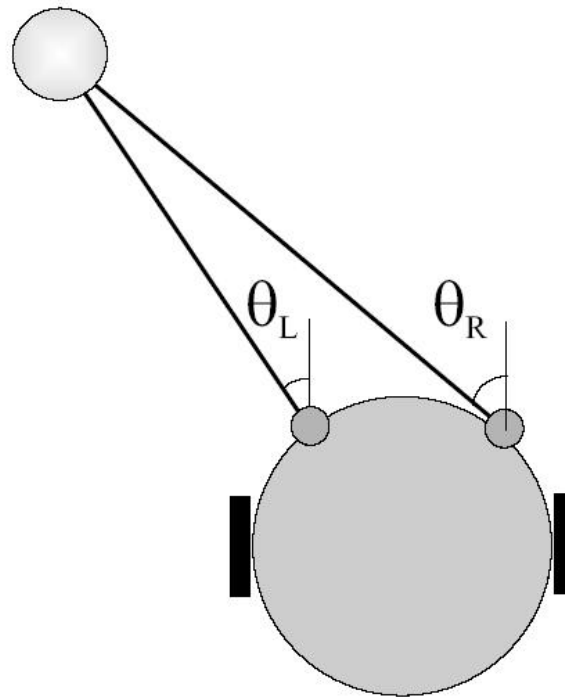


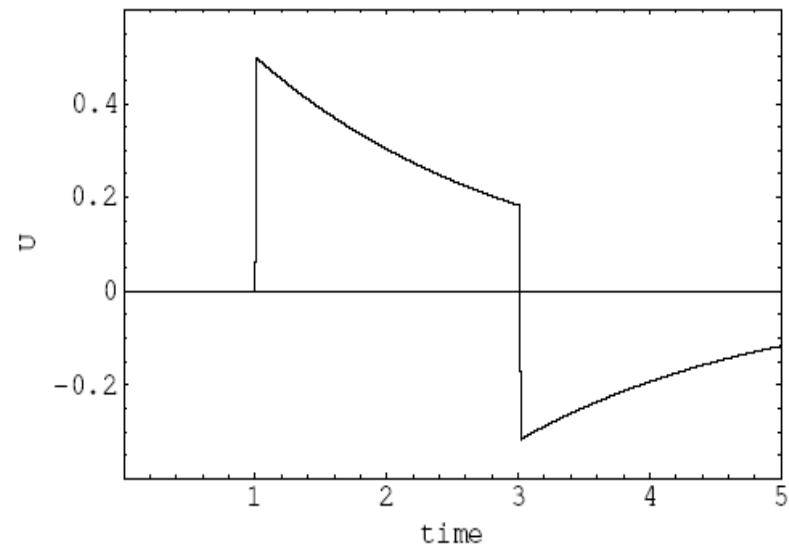
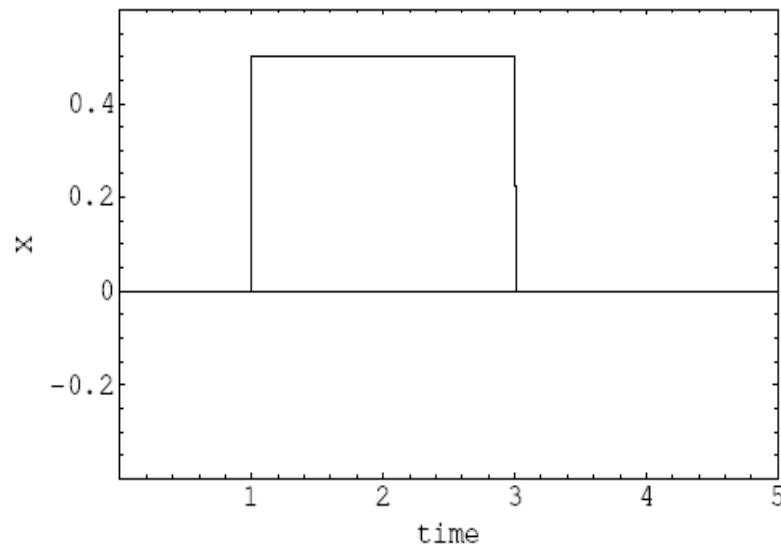
Animal behavior: Lessons for robotics

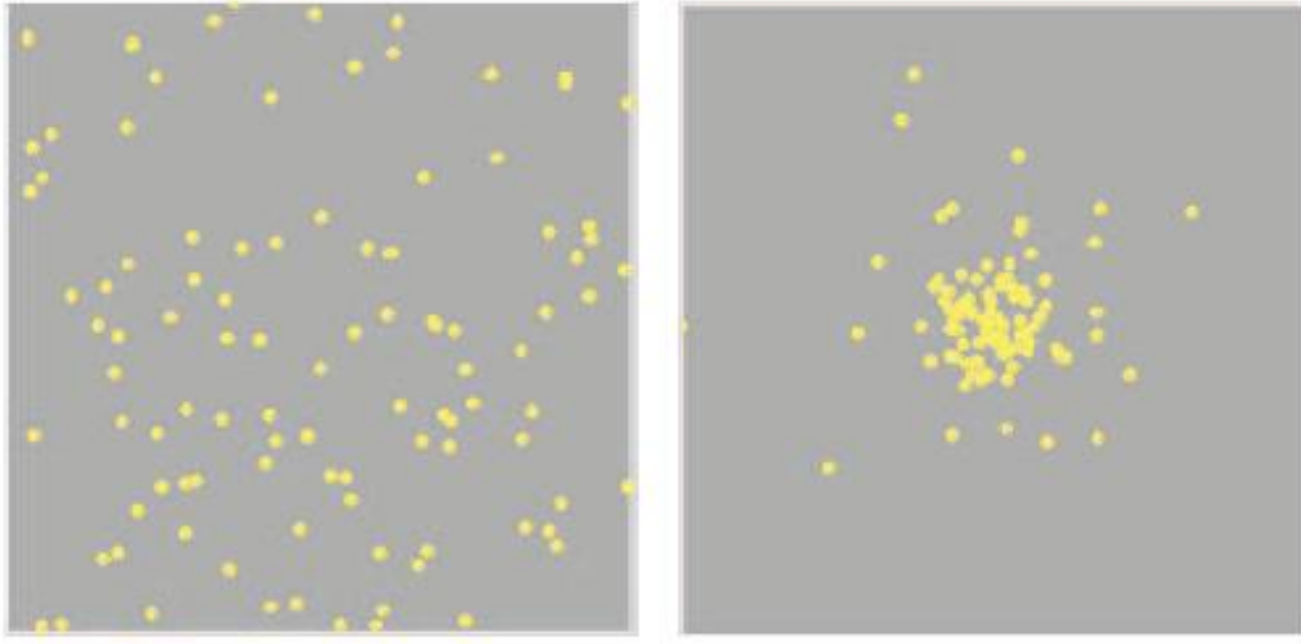
Lecture
2008-02-08

- **Klinotaxis:**
 - follow a light gradient
 - Ex. Fly maggots... **and Robots!**



- Switching behaviors in E. Coli





- The motion of simulated E. Coli

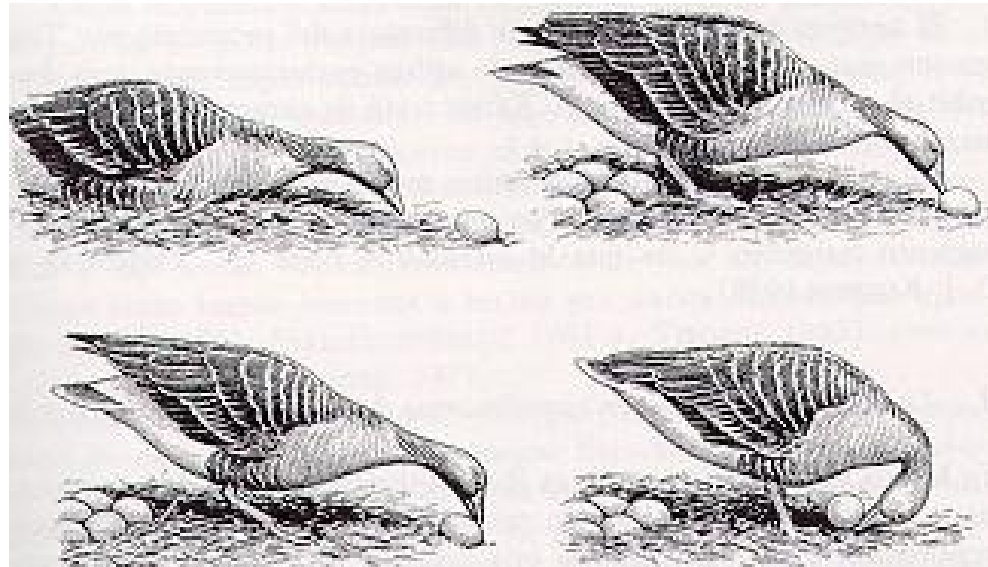
Fixed action patterns (FAPs)

- Example: **attack behavior** of praying mantis

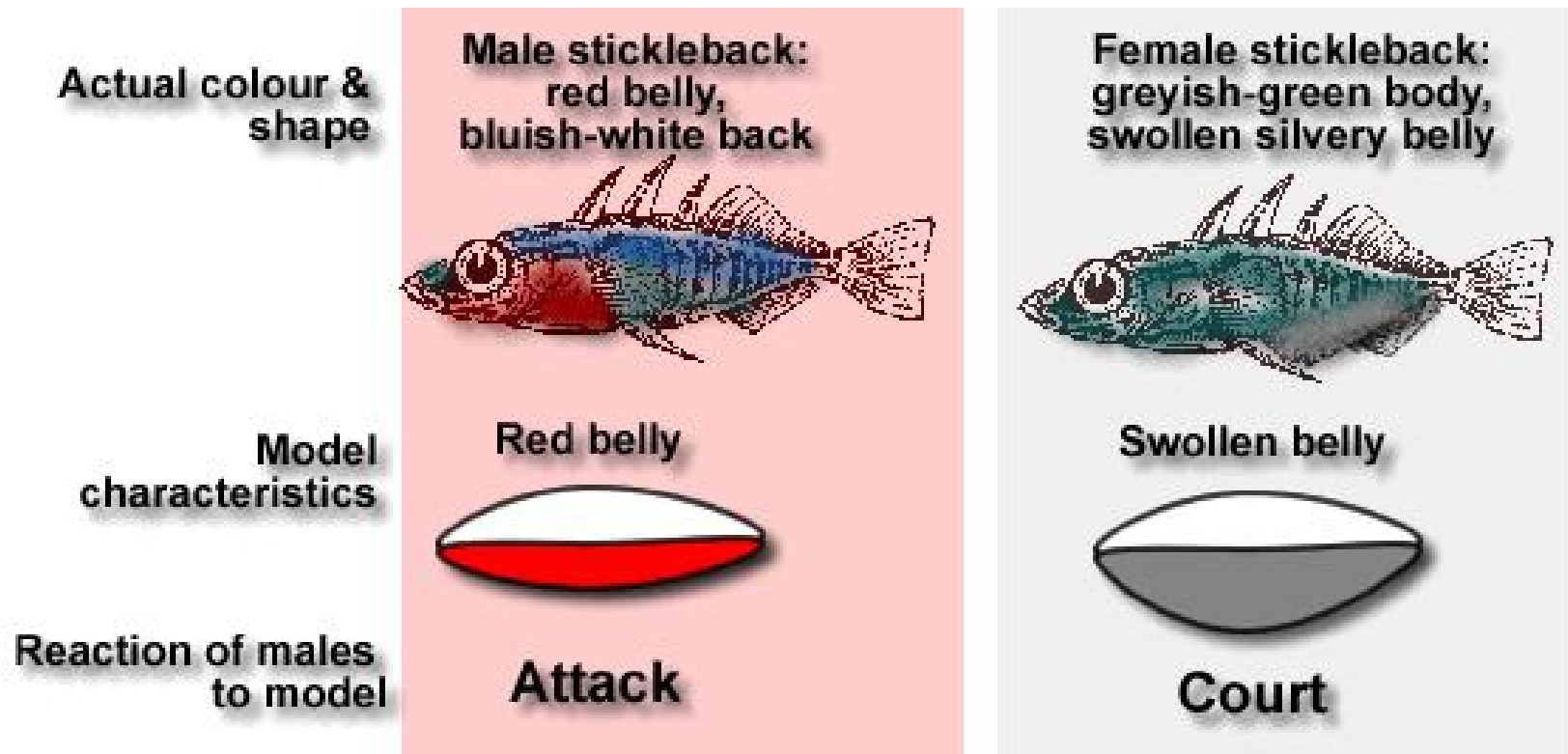


Fixed action patterns (FAPs)

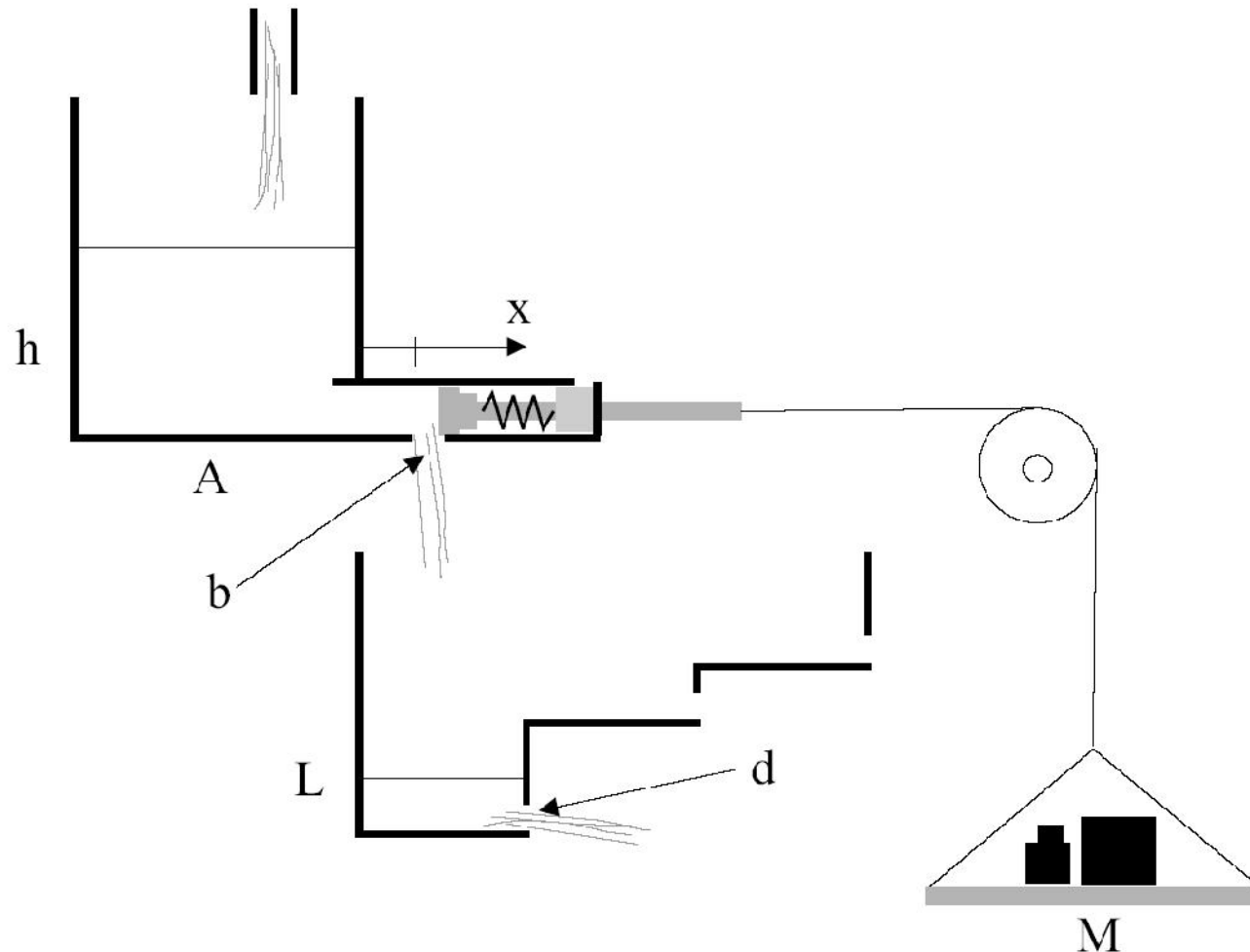
- Example: **egg-retrieving behavior** of geese



Innate releasing mechanism (IRM)



Lorenz' psychohydraulic model of motivation



Lorenz' psychohydraulic model of motivation

