





- strengths of approach:
 - $-\ensuremath{\operatorname{good}}$ solutions found for all test problems within range of parameter optimality
 - algorithm converges quickly and doesn't exhibit stagnation behavior
 - algorithm and parameter values appear relatively insensitive to increase in problem dimensions





multiagent simulation for learning

13

- Modeling Nature's Emergent Patterns with Multiagent Languages, by Uri Wilensky (2002)
- decentralized tools for learning: constructionism
 - hands-on exploration
 - no recipe to follow
- NetLogo
- "turtles (agents)
- "patches" (environment)
- lessons for understanding decentralized thinking:
 - 1. positive feedback isn't always negative
 - 2. randomness can help create order
 - 3. a flock isn't a big bird
 - 4. a traffic jam isn't just a collection of cars
 - 5. the hills are alive

cis3.5-spring2009-sklar-lecIV.2