Fuzzy Logic and Fuzzy Inference

- Fuzzy Logic
- Fuzzy Sets
- Fuzzy Inference
- Fuzzy Control

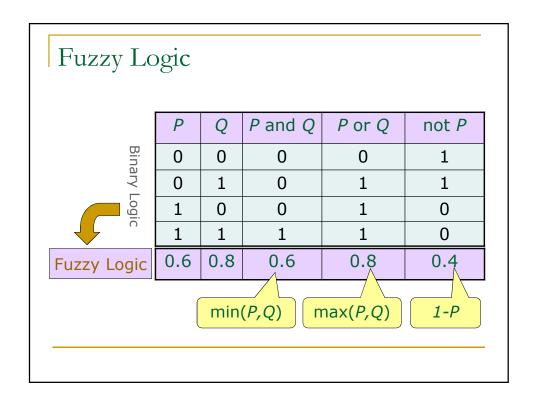


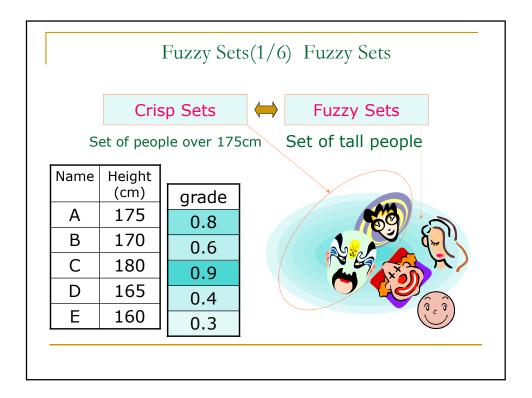
Youtube video

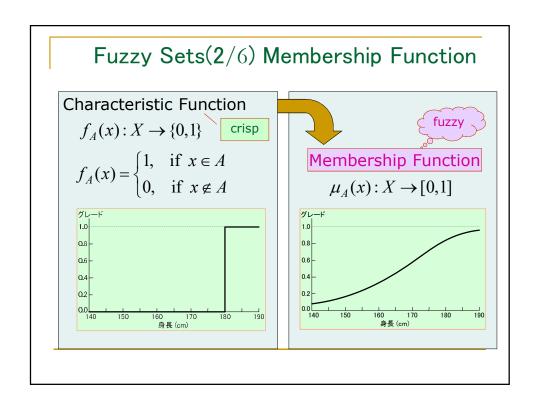
 An Egg-Boiling Fuzzy Logic Robot: KIOS Research Center for Intelligent Systems and Networks, University of Cyprus

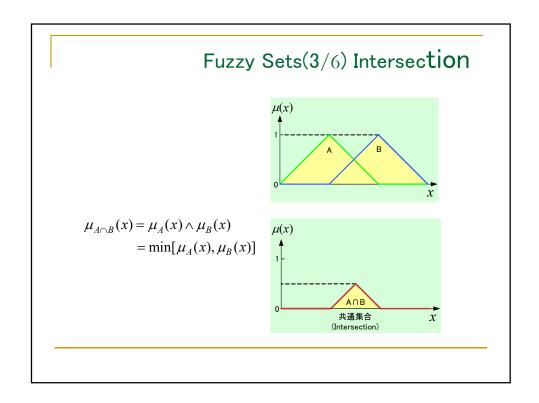
Fuzzy Theory

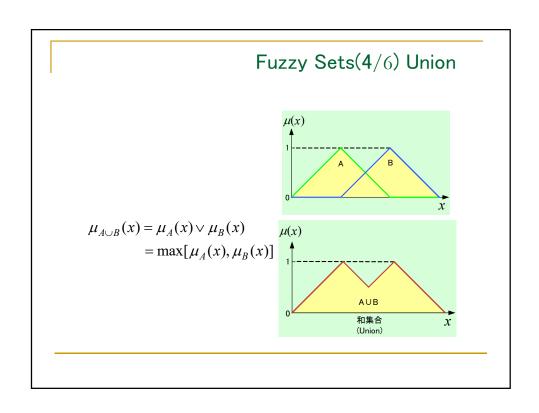
- What Fuzzy? -- Fuzzy logic is a tool for Embedding Human Structured Knowledge (Experience, Expertise, Heuristic)
- Why Fuzzy? Human knowledge is fuzzy: expressed in 'Fuzzy' Linguistic Terms – Young, Old, Big, Cheap are FUZZY word.
 Temperature is expressed as Cold, Warm or Hot. No quantitative meaning

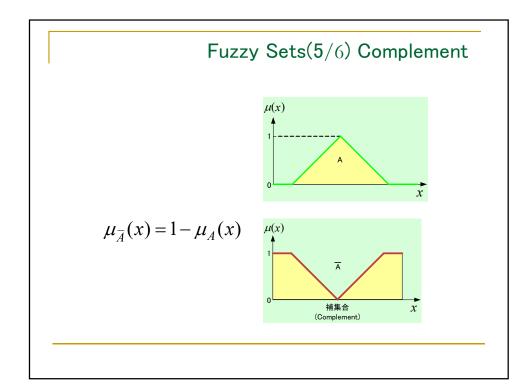


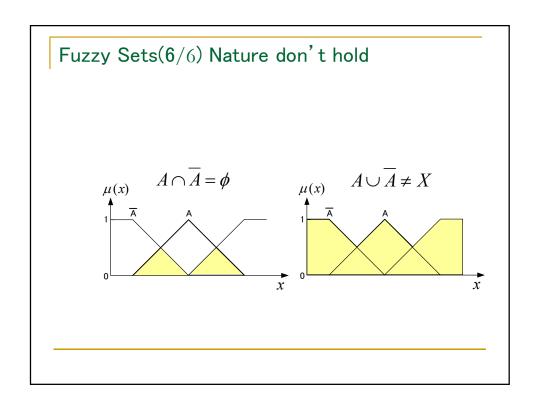












Fuzzy Inference and Fuzzy Control

Link A fuzzy-based control system

