

Design and Implementation of an Agent Architecture combining Emotions and Reasoning

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Our Goal

- ▶ What is AI supposed to be able to do?
- ▶ Many approaches based on search/logic exist:
 - ▶ A* search,
 - ▶ Iterated deepening DFS,
 - ▶ Answer-set programming, etc.
- ▶ These do well, but world-ontology has to be encoded in explicit rules!

Our Goal

- ▶ Neural networks are another approach:
 - ▶ supervised learning,
 - ▶ unsupervised learning,
 - ▶ hierarchical learning, etc.
- ▶ The network must approximate some function with the help of training data.
- ▶ We must have labelled examples/cost functions available.
- ▶ It's not obvious what a good neural network “understands”.