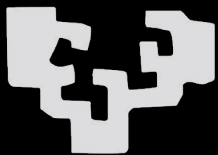


eman ta zabal zazu



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A large white circle is centered on a black background. To its left, there is a stack of three overlapping circles: a dark grey one in front, a medium grey one in the middle, and a light grey one in the back. The number '2' is centered in the dark grey circle. To the right of the white circle, there are several concentric white circles of varying diameters, partially overlapping the white circle.

2

AI methods

AI methods

1. Knowledge representation
2. Reasoning
3. Understanding
4. Planning



Knowledge representation

- Data
- Information
- Knowledge
- Commonsense
 - world knowledge
- Wisdom?



Reasoning

$A \rightarrow B$

A

B

Reasoning

$A \rightarrow B$

A

B

$A \rightarrow B$

A

?

Deduction

?

A

B

Induction

$A \rightarrow B$

?

B

Abduction

Abductive reasoning

- Example 1:
 - Fred was hungry. He opened the fridge.
- Example 2:
 - Fred saw the plane flying over Zurich..
 - Fred saw the train flying over Zurich.

Understanding

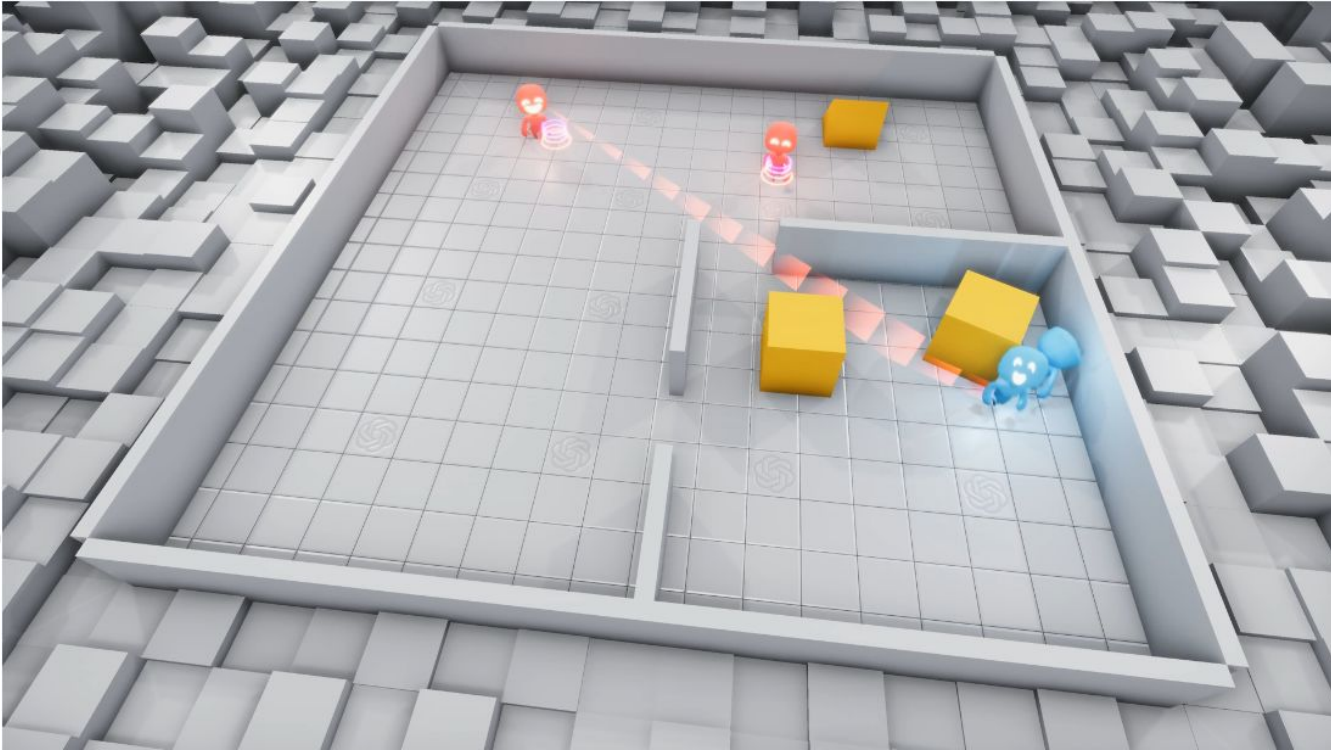
- Natural language
- Images / videos
- Code / databases
- The web / documents
- Music
- ...
- The world?



Understanding

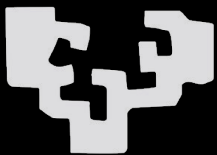


Planning



<https://openai.com/blog/emergent-tool-use/>

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