



Artificial intelligence

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01

Artificial intelligence (AI) is the capability of computational systems to perform tasks typically associated with human intelligence, such as learning, reasoning, problem-solving, perception, and decision-making.

02

The traditional goals of AI research include learning, reasoning, knowledge representation, planning, natural language processing, and perception, as well as support for robotics.

03

The general problem of simulating (or creating) intelligence has been broken down into subproblems.

04

**AlphaFold 2 (2021)
demonstrated the ability
to approximate, in
hours rather than
months, the 3D
structure of a protein.**

05

Philosophical debates have historically sought to determine the nature of intelligence and how to make intelligent machines.

06

Thought-capable artificial beings have appeared as storytelling devices since antiquity, and have been a persistent theme in science fiction.

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