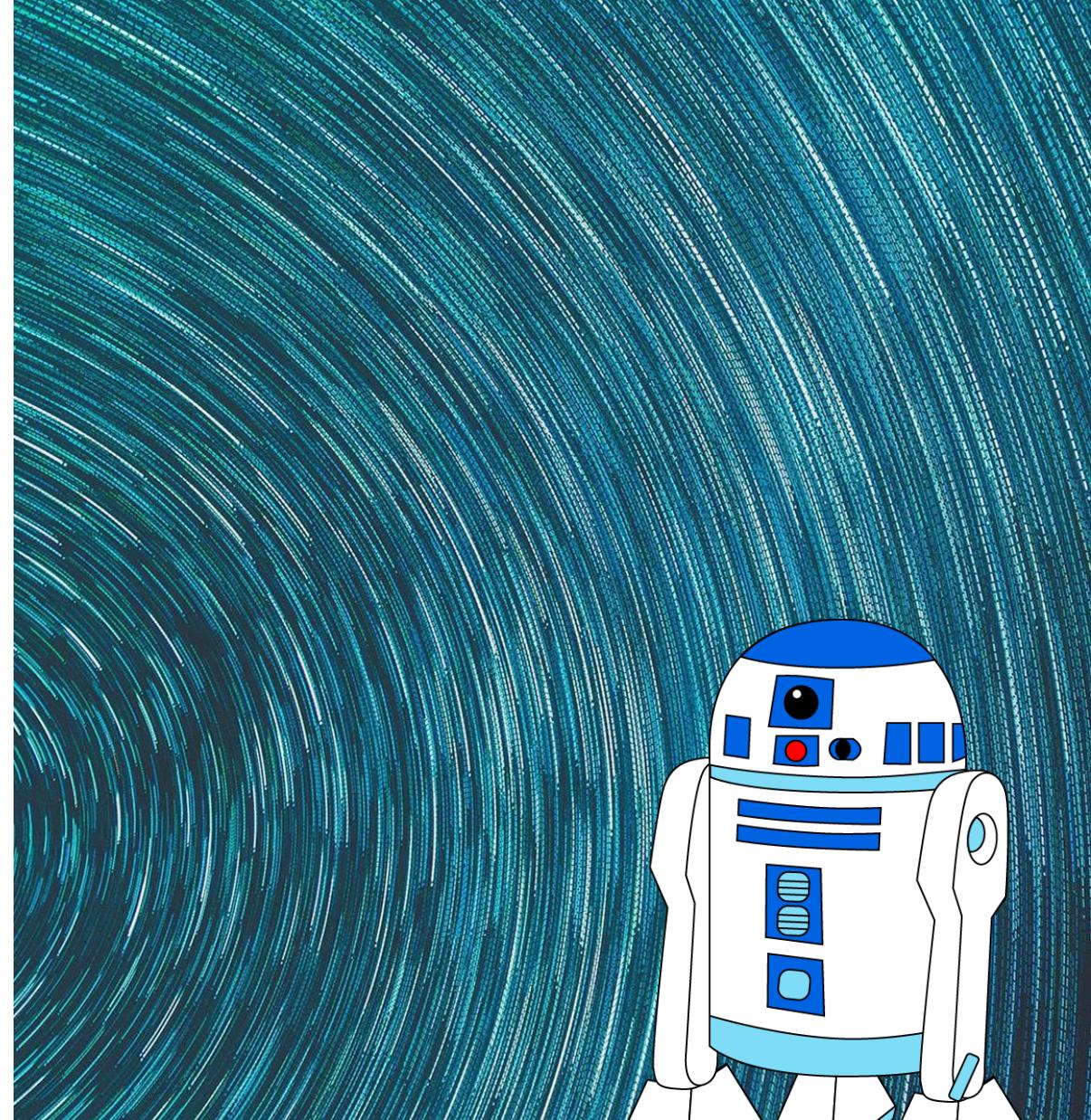


CIS 421/521:
ARTIFICIAL INTELLIGENCE

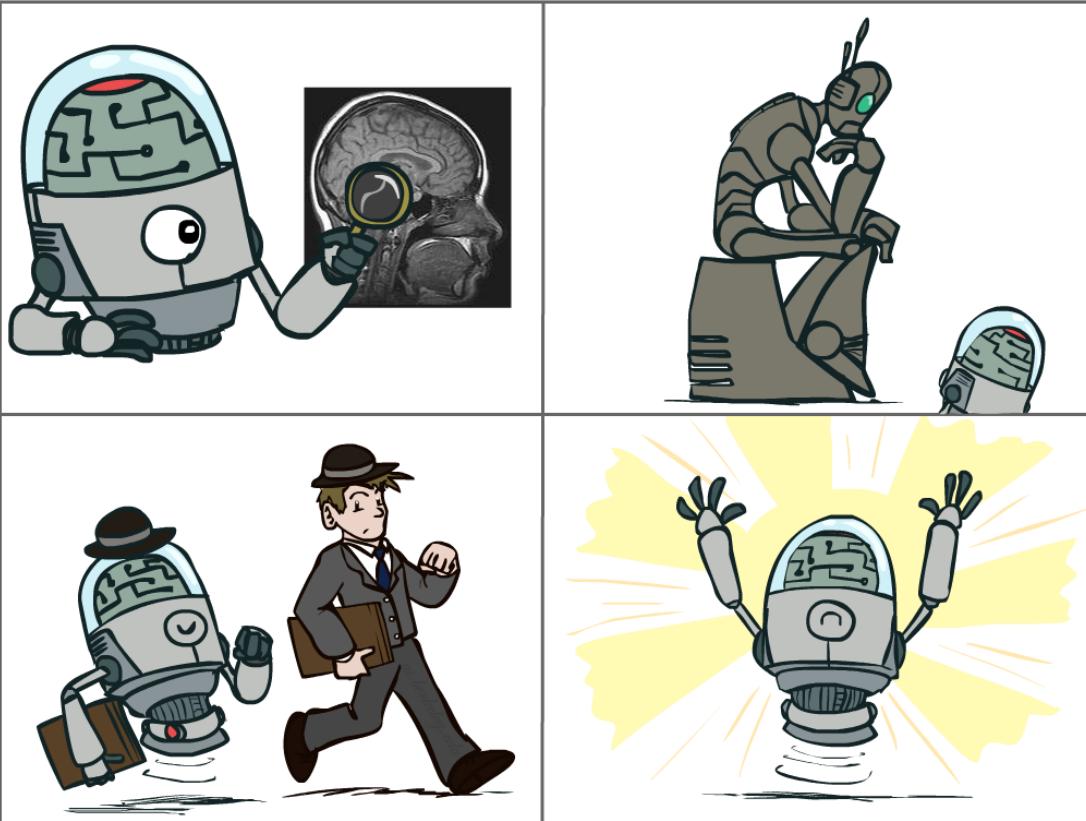
Artificial Intelligence in Science Fiction



What is AI?

The science of making machines that:

Think like people



Think rationally

Act like people

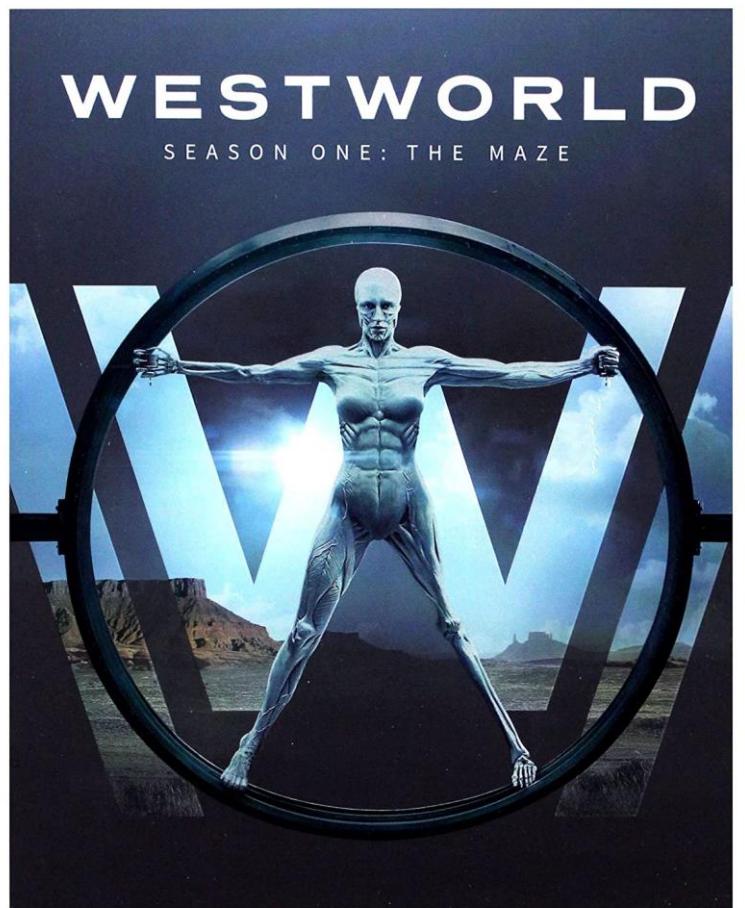
Act rationally

Slide from Dan Klein and Pieter Abbeel of UC Berkeley

AI in SciFi - Acting Human



AI in SciFi - Acting Human



AI in SciFi - Acting Human



AI in SciFi - Acting Human



Blade Runner - Voight-Kampff Test



<https://www.youtube.com/watch?v=Umc9ezAyJv0>

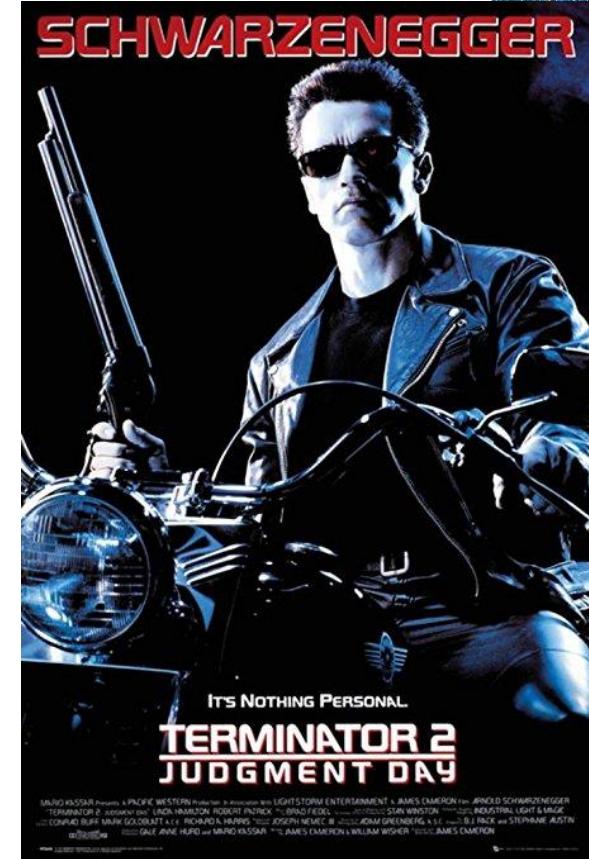
Descartes



Deckard

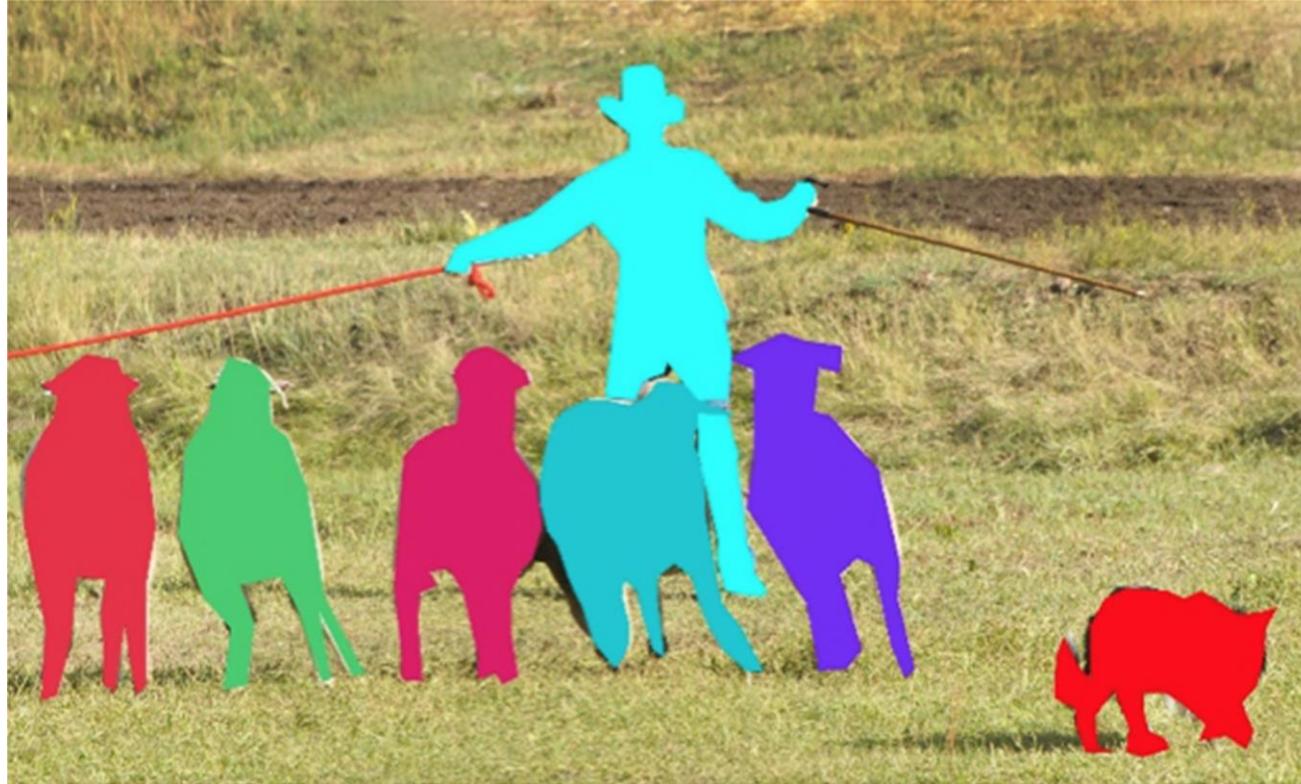


Science Fiction and Science Fact

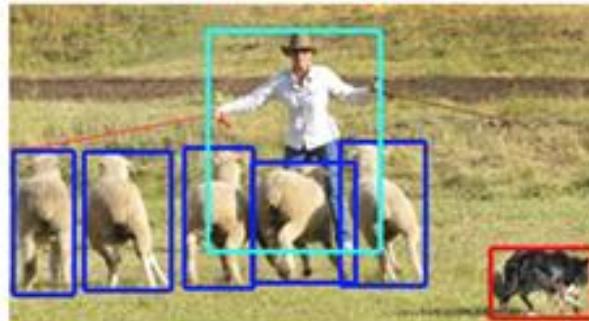


<https://www.youtube.com/watch?v=JknRYYrV5Vk>

Science Fiction and Science Fact



(a) classification



(b) detection



(c) segmentation

Science Fiction and Science Fact

Medium



Kenny Yin

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Developer. Cinematographer. Vocalist.

Jun 19, 2016 · 23 min read

Apple's updated Photos app recognizes thousands of objects, scenes and facial expressions

Armchair, Armchairs, Art, Artistic Creation, Artistic Creations, Artistries, Artistry, Arts, Artwork, Artworks, Arthropods, Arthropod, Arthropods, Artichoke, Artichokes, Arugula, Arugulas, Garden Rocket, Garden Rockets, Rocket Salad, Rocket Salads, Roquette, Rolettes, Asparagus, Asparaguses, ATM, ATMs, Automated Teller, Automated Teller Machine, Automated Teller Machines, Automated Tellers, Automatic Teller, Automatic Teller Machine, Automatic Teller Machines, Automatic Tellers, Cash Dispenser, Cash Dispensers, Cash Machine, Cash Machines, ATV, ATVs, All Terrain Vehicle, All Terrain Vehicles, Auditorium, Amphitheater, Amphitheaters, Auditoriums, Concert Hall, Concert Halls, Music Hall, Music Halls, Aurora, Auroras, Australian Shepherd, Australian Shepherds, Automobile, Auto, Automobiles, Autos, Car, Cars, Motorcar, Motorcars, Avocado, Aguacate, Aguacates, Alligator Pear, Alligator Pears, Avocados, Axe, Ax, Axes, Baby, Babe, Babes, Babies, Infant, Infants

Science Fiction and Science Fact



Are you ready for the test, Leon?

Science Fiction and Science Fact



Science Fiction and Science Fact



Select all squares with traffic lights

Science Fiction and Science Fact



Joke Credit: James Dennis

Science Fiction and Science Fact



<https://www.youtube.com/watch?v=s93KC4AGKnY>





Ken

\$1,400

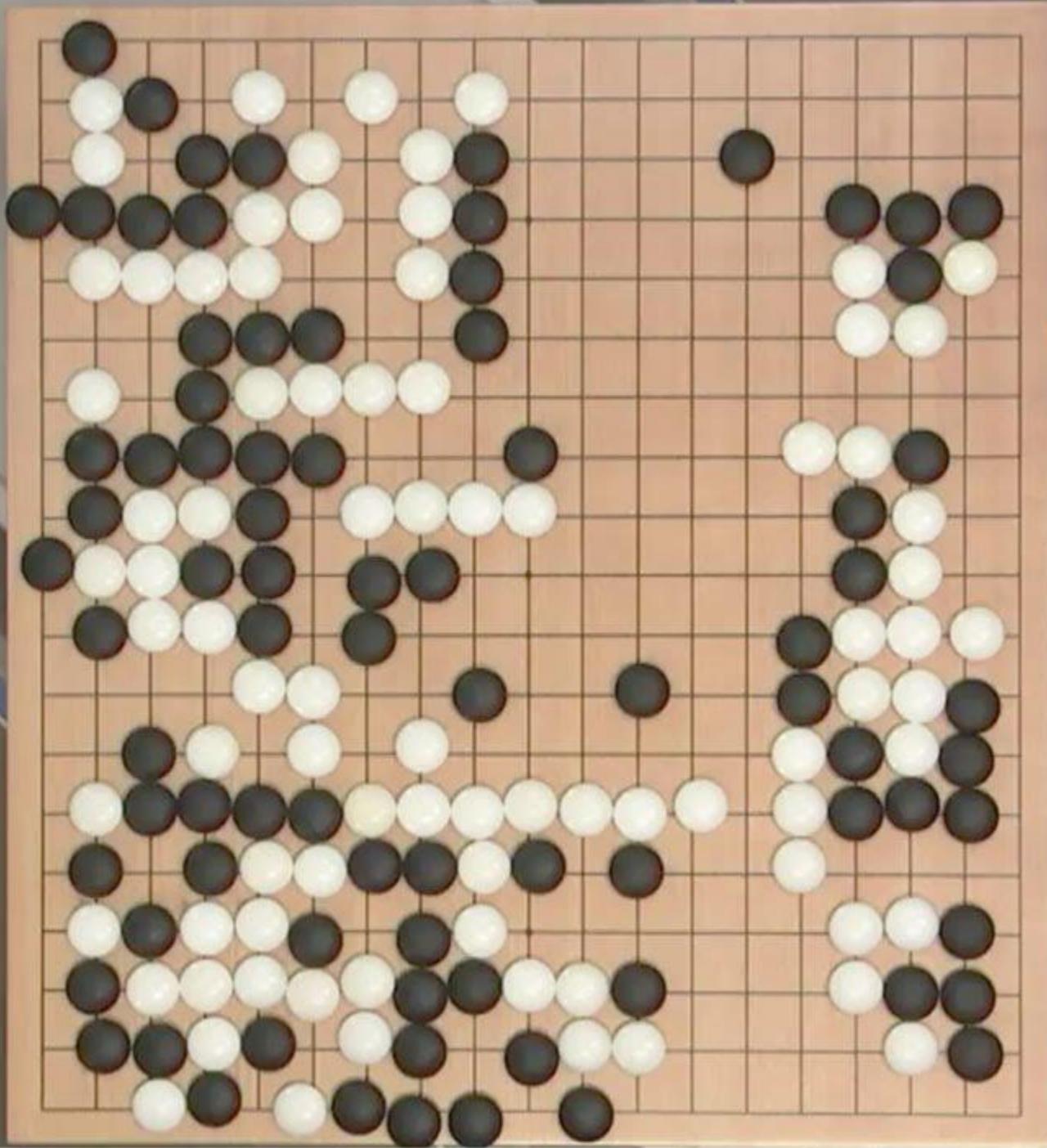
\$4,000

THINK

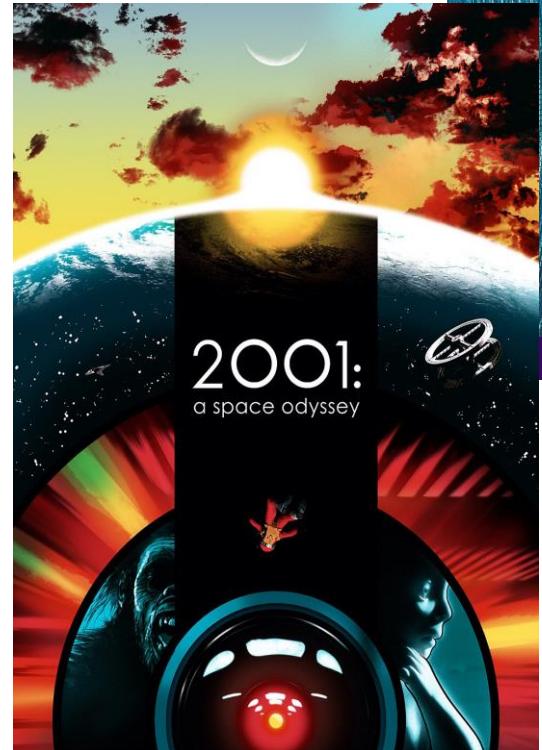
सोचिए

THINK





Science Fiction and Science Fact

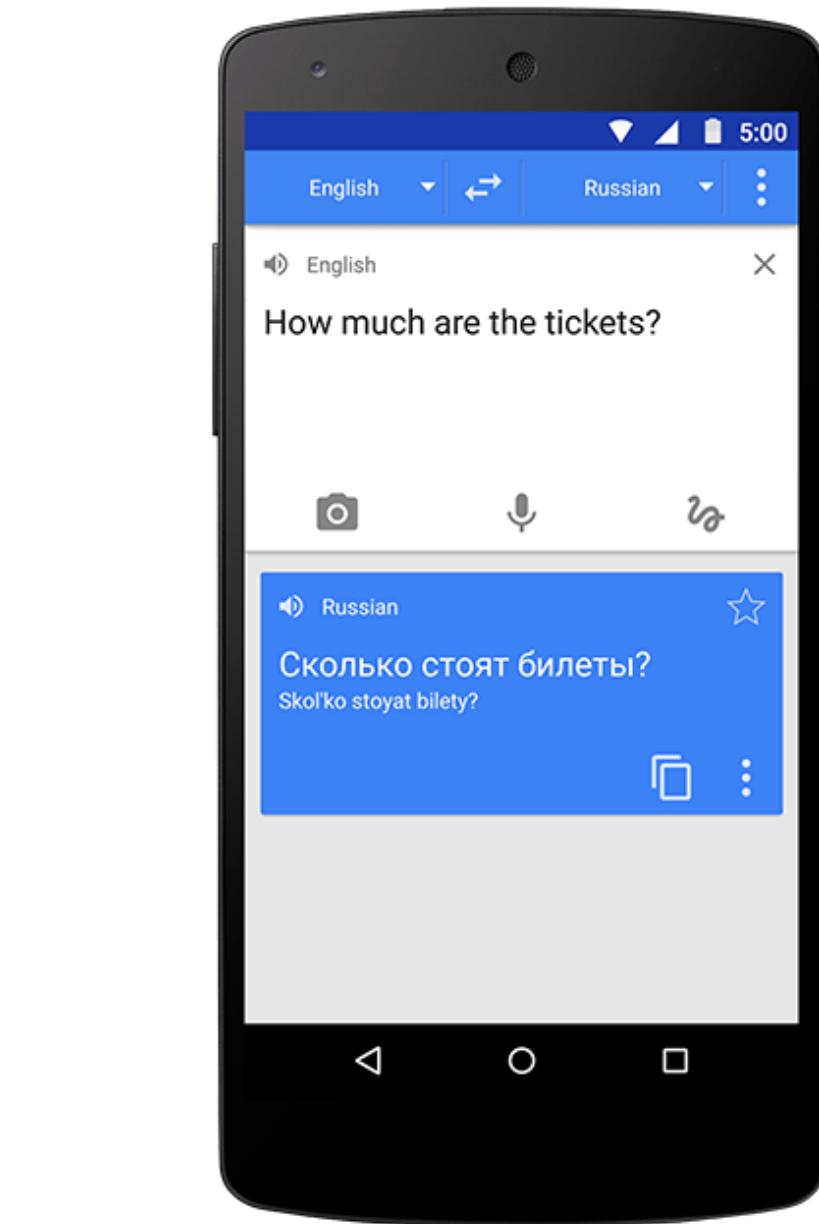


<https://www.youtube.com/watch?v=Lk8qgMFqaY8>















DARPA

Science Fiction and Science Fact



DARPA
Grand Challenge 2005



Science Fiction and Science Fact



DARPA Urban Challenge 2007



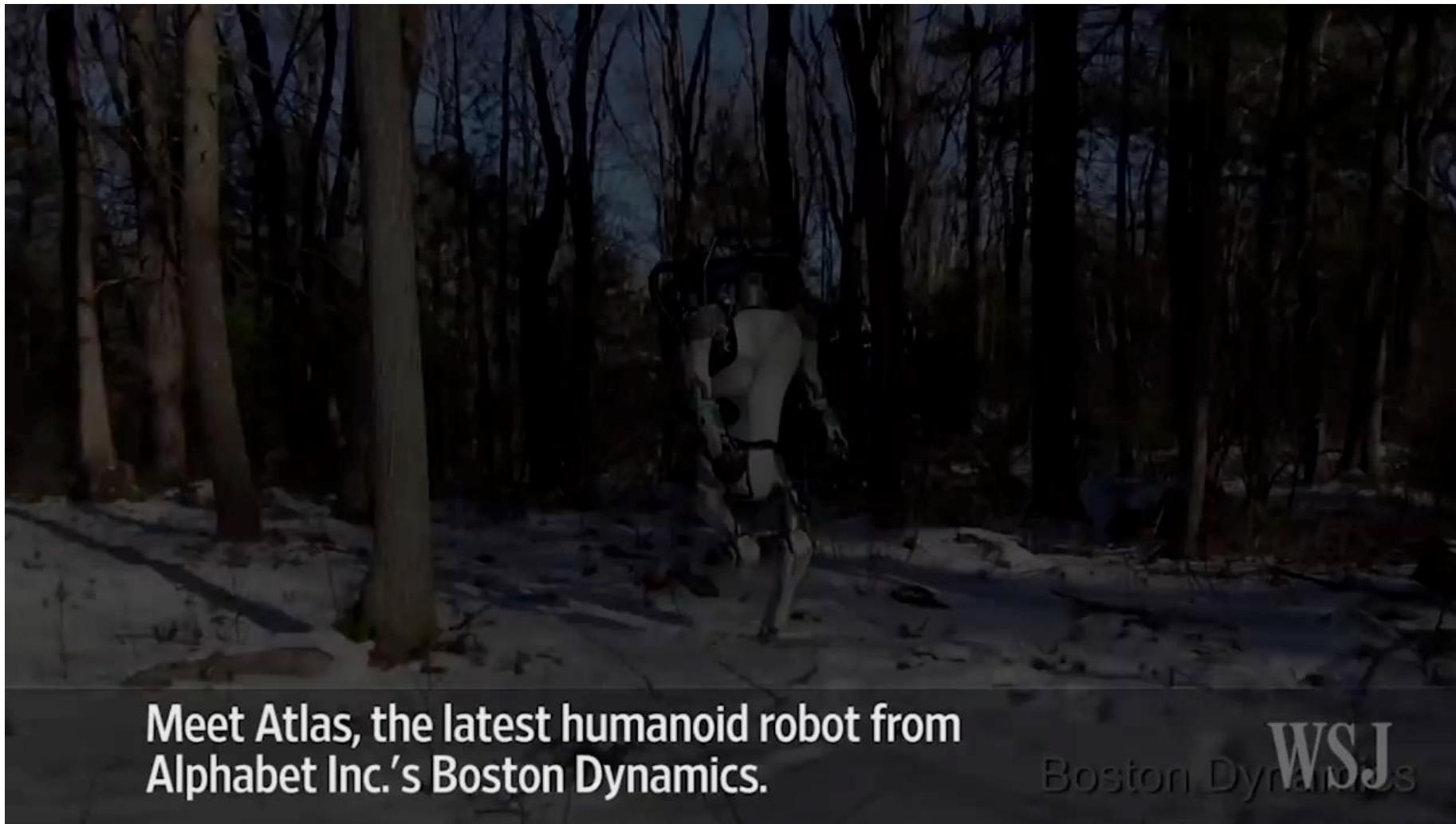
Science Fiction and Science Fact



DARPA Robotics Challenge 2015

<https://www.youtube.com/watch?v=g0TaYhjpOf0>

Science Fiction and Science Fact



Meet Atlas, the latest humanoid robot from
Alphabet Inc.'s Boston Dynamics.

Boston Dynamics **WSJ**

Boston Dynamics Atlas 2016

<https://www.youtube.com/watch?v=M91ISnATDQY>

