

A decorative graphic on the left side of the slide consisting of two overlapping parallelograms. The front one is blue and the back one is a light green color. They are positioned diagonally, with the blue one in front of the green one.

# Robotics: Learn to play table tennis

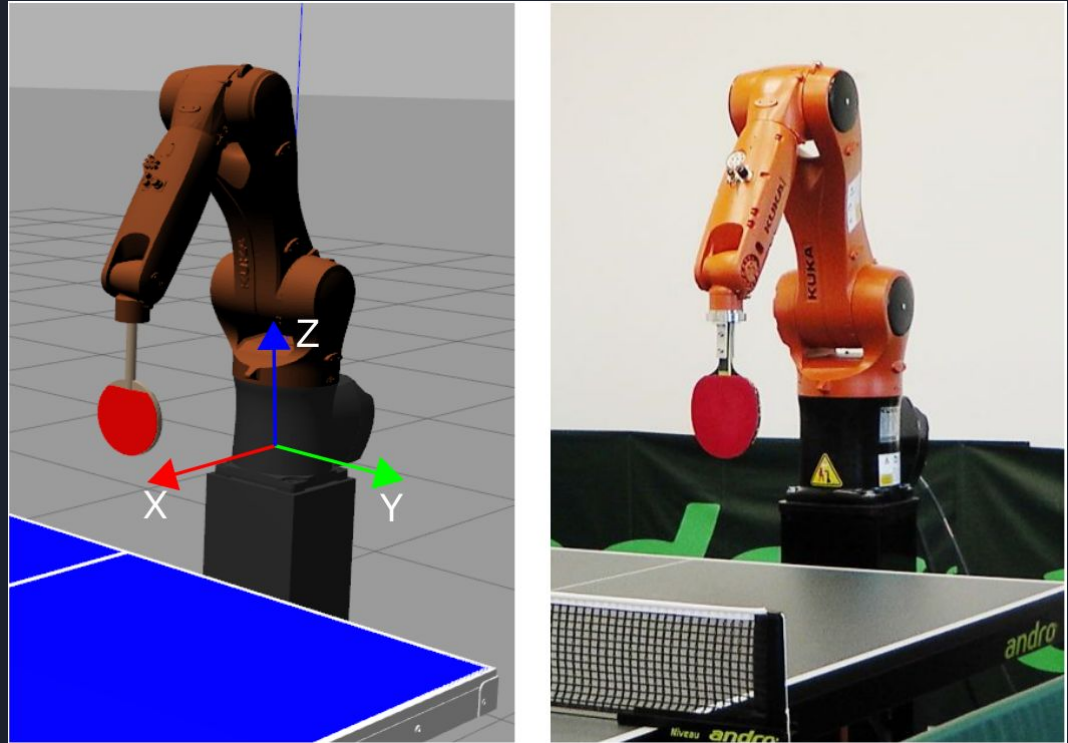
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# Robot playing table tennis after just 90 minutes of training

Use reinforcement algorithms

Training in two phases:

- Training in a virtual environment
- 2nd training in real world



# New Scientist Robotics





# Opinion about the technology

## Pros:

- The robot learns by himself to play
- The total learning time spent is very quick for the standards of these algorithms
- Safety measures

## Cons:

- A lot of inductive bias has been used in the setting so it's not really learning from scratch
- Security measures used here are hard to adapt for other settings
- All the “intelligence” of the system is outsourced on the developers (see On the Measure of
- Intelligence by François Chollet on the topic)