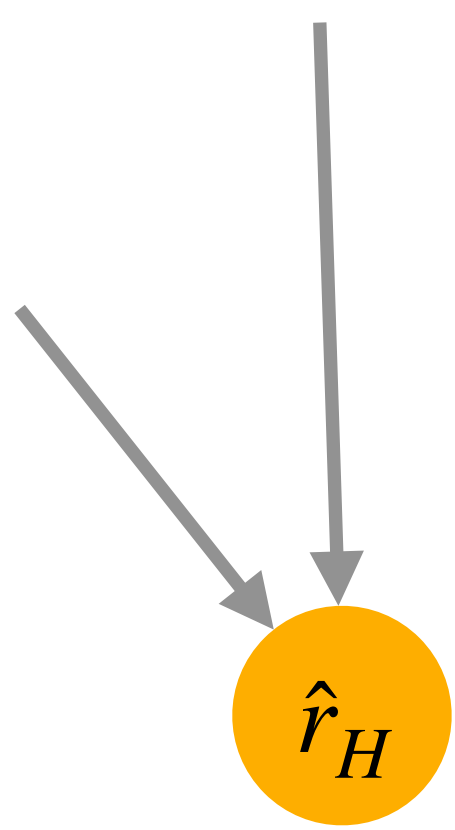
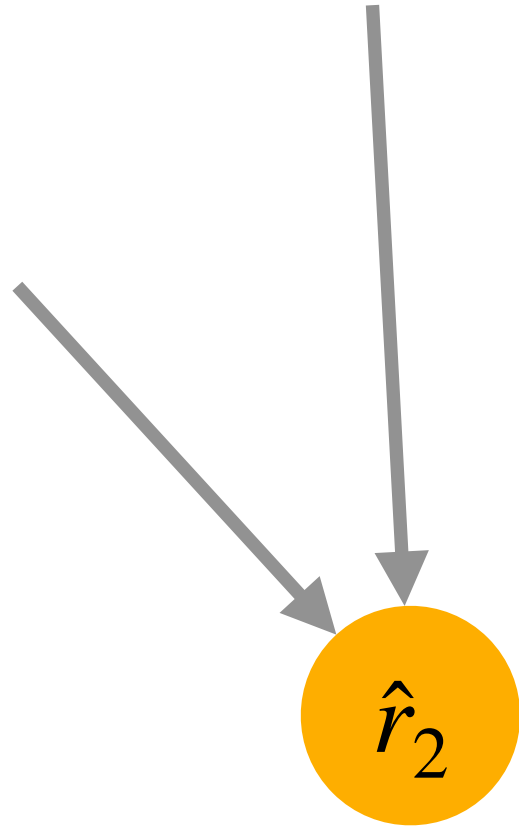
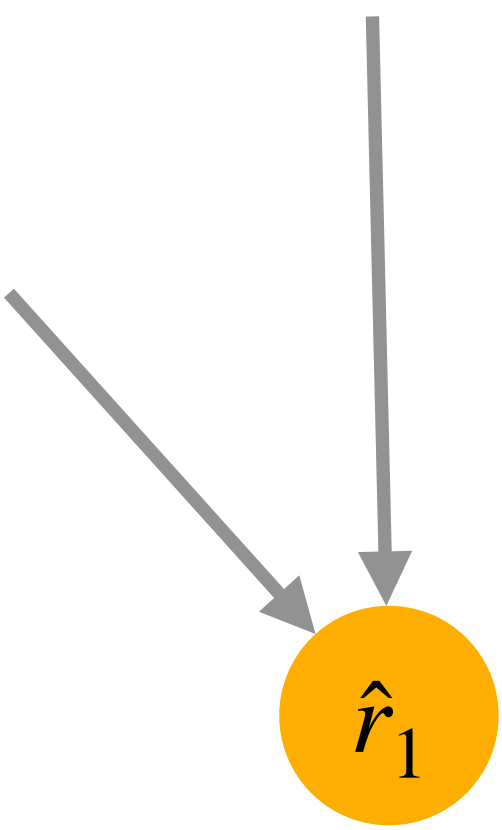


FCAI

fcai.fi









Z_H



\mathbb{Z}_2



z_1



z_0

Encoder

Encoder

Encoder

Encoder



S_H



S_2

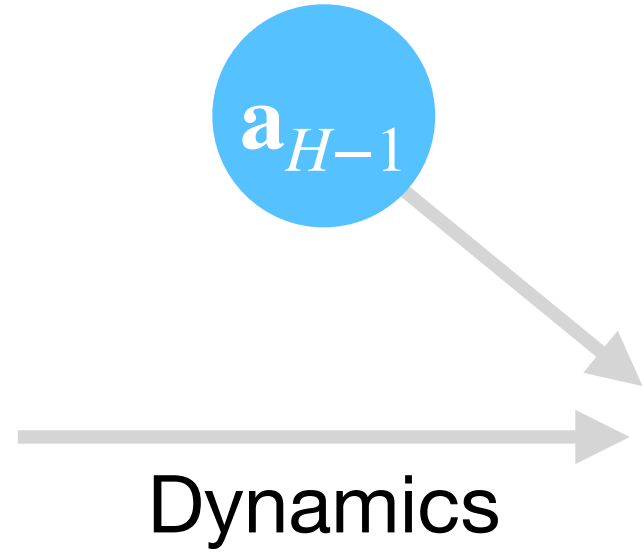
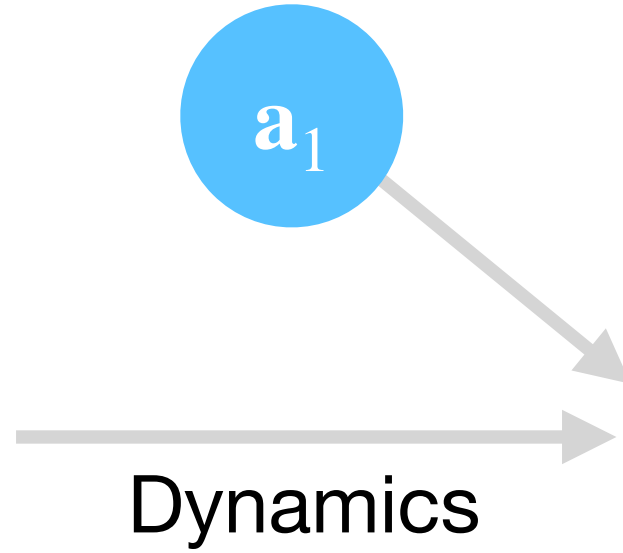
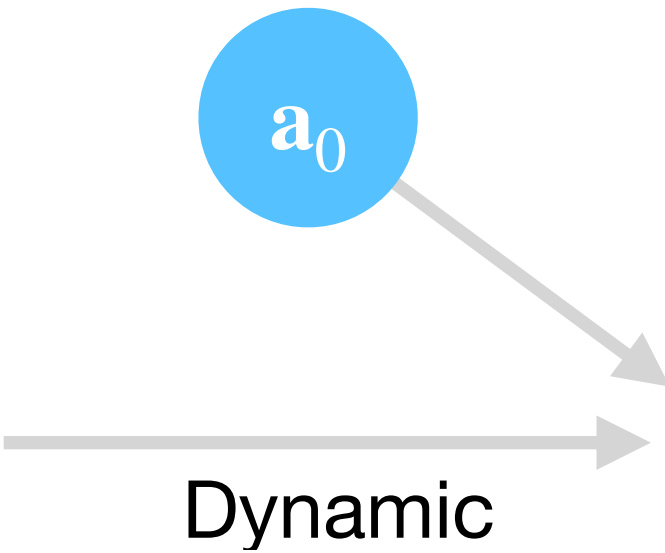


S_1



S_0

World Models



A red robotic arm is shown in a simulated environment, positioned over a wooden-textured surface. Several small, semi-transparent 3D objects are visible: a blue sphere, a cyan cylinder, a red cylinder, and a white cylinder with a red tip. The text \hat{s}_0 is overlaid in the center of the image.

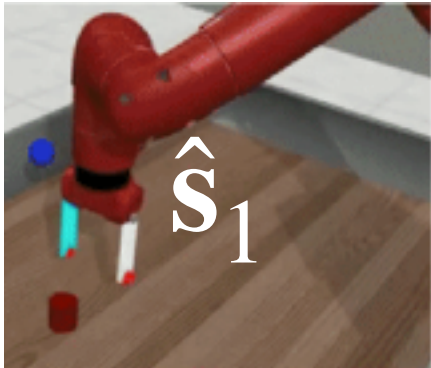
\hat{s}_0

A red robotic arm is positioned over a wooden table in a simulated environment. On the table, there are several objects: a blue sphere, a cyan cylinder, a red cylinder, and a white cylinder with a red tip. The background shows a grey floor and a white wall.

\hat{S}_H



\hat{s}_2



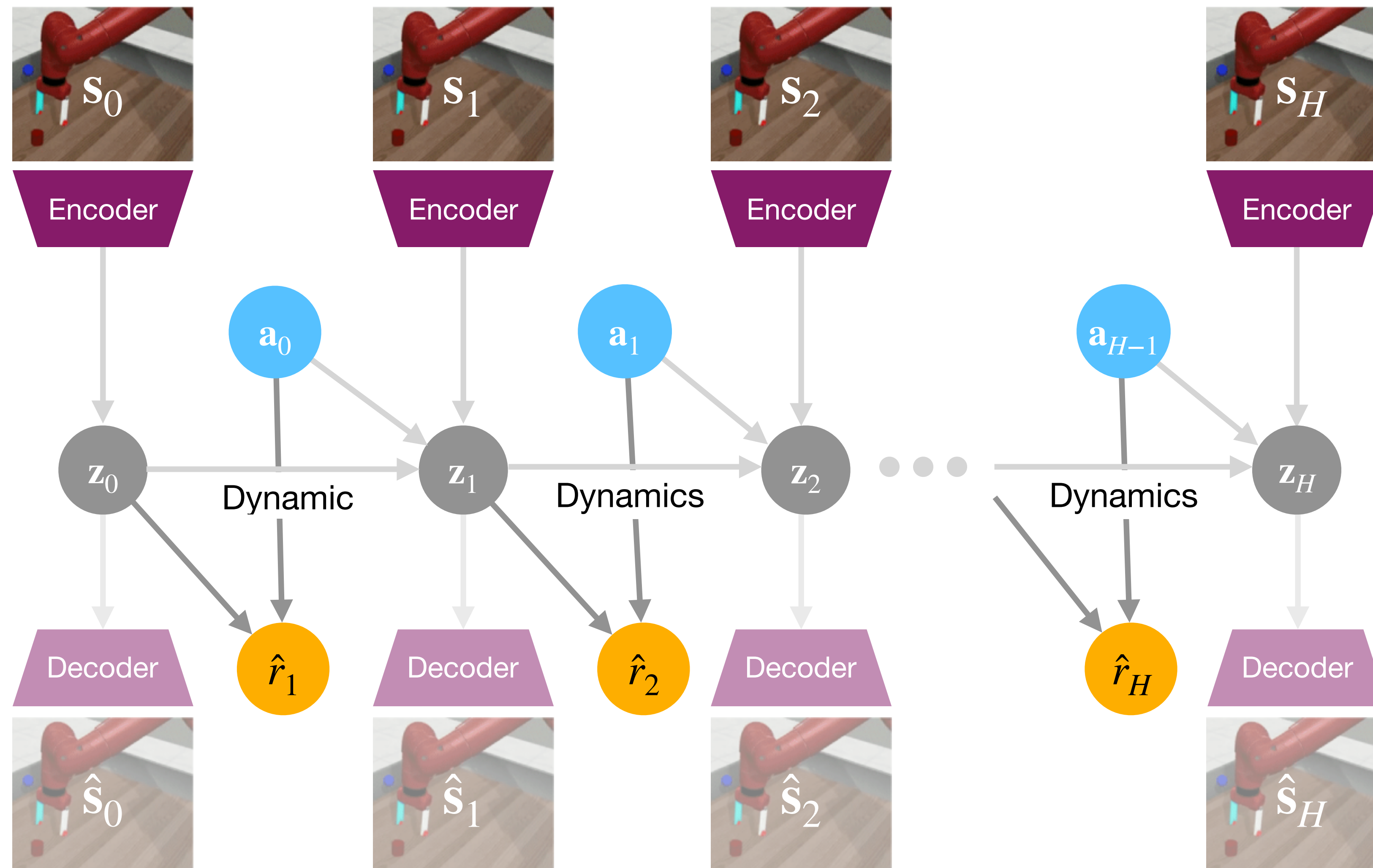


Decoder

• Decoder vs self-supervised?

• Continuous vs discrete?

World Models



- Decoder vs self-supervised?
- Continuous vs discrete?

DCWM: Discrete Codebook World Model

Discrete Codebook