

World Model

Implicit Representations
of the External World

Decision-
Making

World
Knowledge

Section 3.1

Section 3.2



Future Predictions
of the Physical World

Video
Generation

Embodied
Environment

Section 4.1

Section 4.2

1943

1974

2018

2022

2023.10

2024.02

2024.09

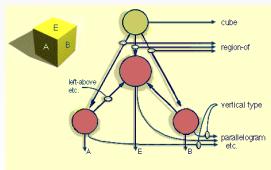
2025.06

2025.08

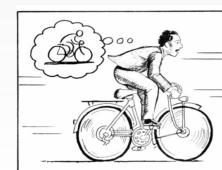
Mental Model



Frame System
Theory



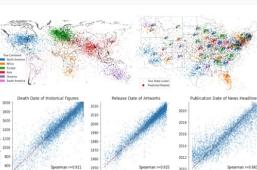
World Models
mental model



JEPA-perception
and reasoning



World Knowledge
in LLM



Sora



World Labs



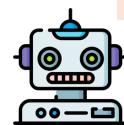
WorldScape

DriveScape
RoboScape
AirScape



Physical

Embodied
Intelligence



Section 5.2



Applications

Urban
Intelligence



Section 5.3



Societal

Societal
Intelligence



Section 5.4

