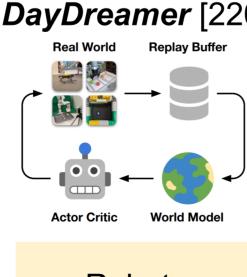
World Model Implicit Representations Future Predictions of the External World of the Physical World **Decision-**World Video **Embodied** Generation Making Knowledge Environment Section 3.1 Section 3.2 Section 4.1 Section 4.2 Frame System World Models -**JEPA** – perception World Knowledge **UniSim** [236] **Sora** [146] **Theory** [136] and reasoning [109] in LLM [64] mental model [65] 1974 2018 2022 2023.10 2024.2 2024.5 2022.12 2023.8 2024.5 Smallville [148] DayDreamer [220] *Vista* [54] Replay Buffer

Applications



Robots

Section 5.2



Social Simulacra

Section 5.3



Autonomous Driving

Section 5.1