

# Neural State-Space Modeling with Latent Causal-Effect Disentanglement

No Author Given

No Institute Given

## 1 Visualization for Normal Reconstruction

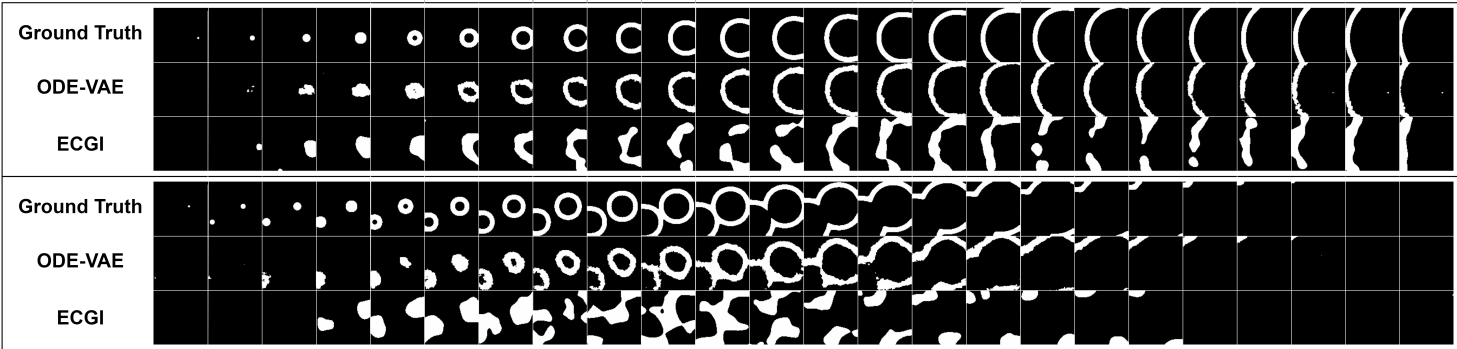


Fig. 1. Two examples of 'normal' dynamics reconstructions.

## 2 Visualization for Dual-Activation Reconstruction

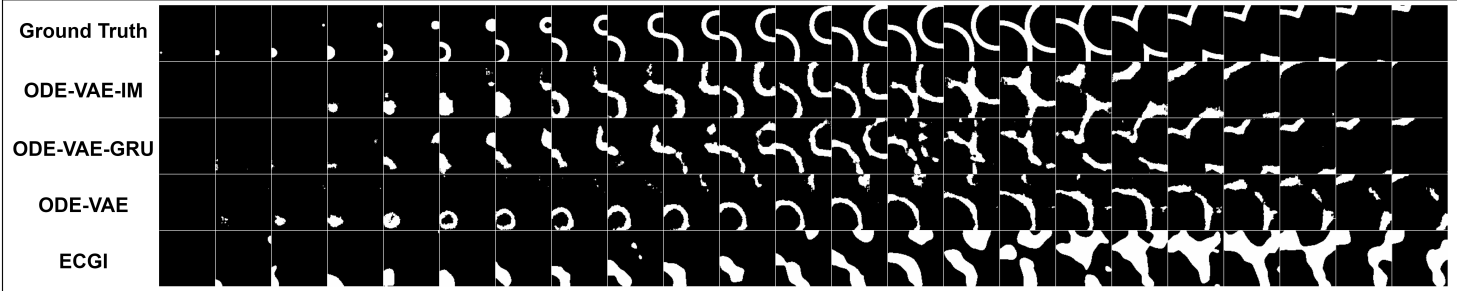
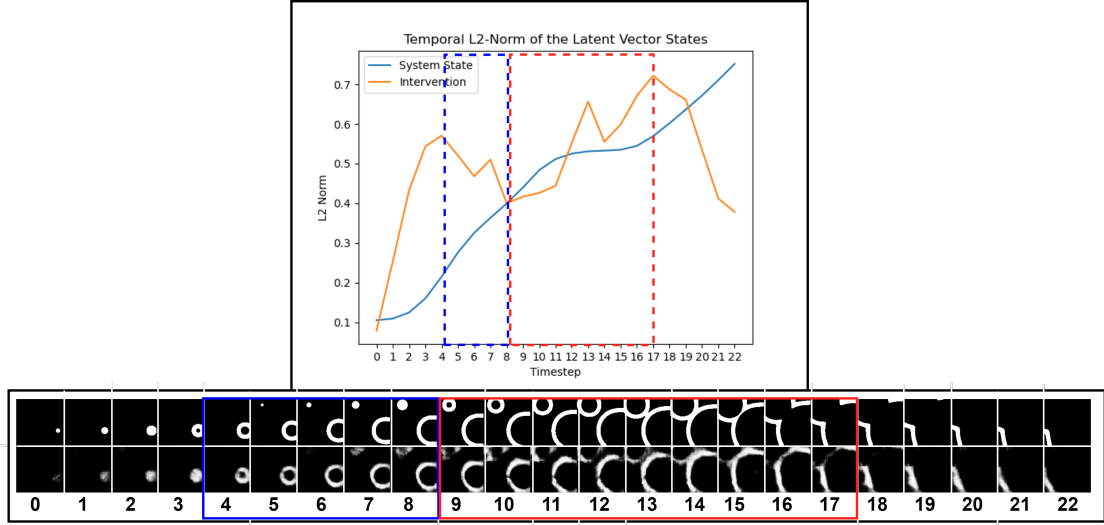
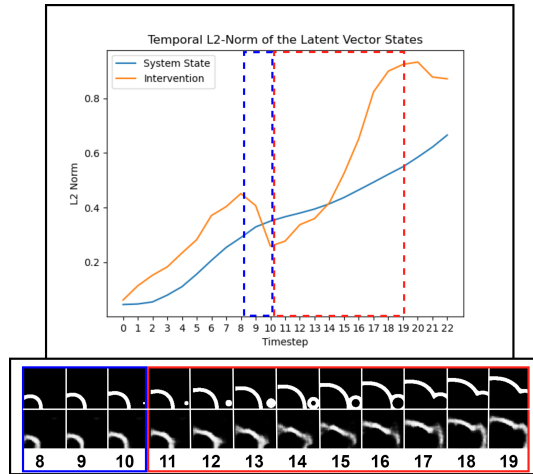


Fig. 2. Two examples of 'pacing' dynamics reconstructions.

### 3 Visualization for ODE State Norms



**Fig. 3.** Example of latent state norms over a full sequence. Following intervention where normal propagation resumes, the intervention latent norm drastically reduces, highlighting the model’s ability to decay intervention effects under normal propagation.



**Fig. 4.** Additional example of latent state norms over a sequence. A consistent dip is prior to the intervention effect, highlighting the detection of an upcoming intervention.