

Figure 1: Error FOM vs reconstruction with conv AE (latent 2 6 14 30)

1 10000 Epochs  $\psi - \omega$

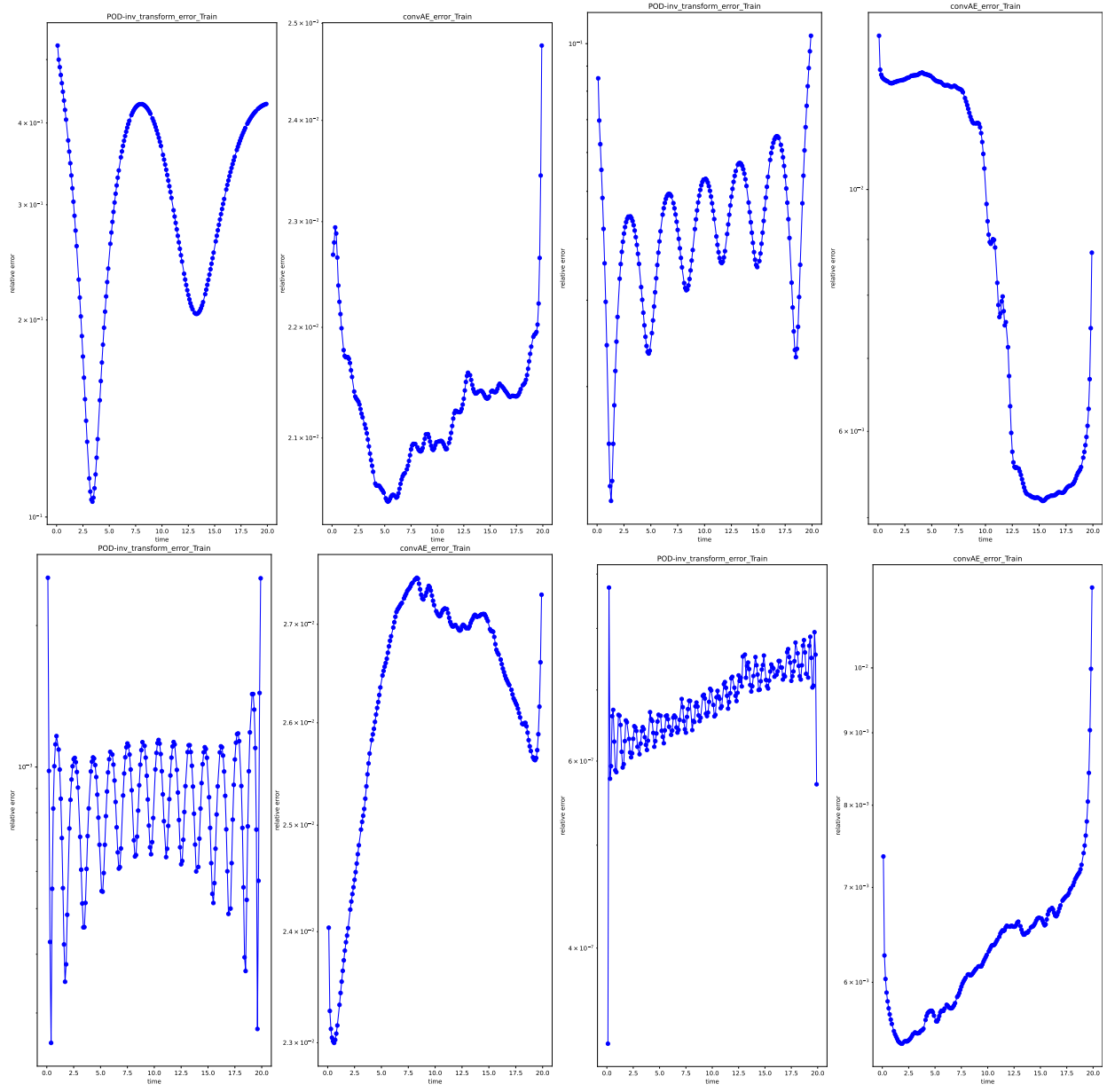


Figure 2: Error FOM vs POD reconstruction and FOM vs reconstruction with conv AE (latent 2 6 14 30)

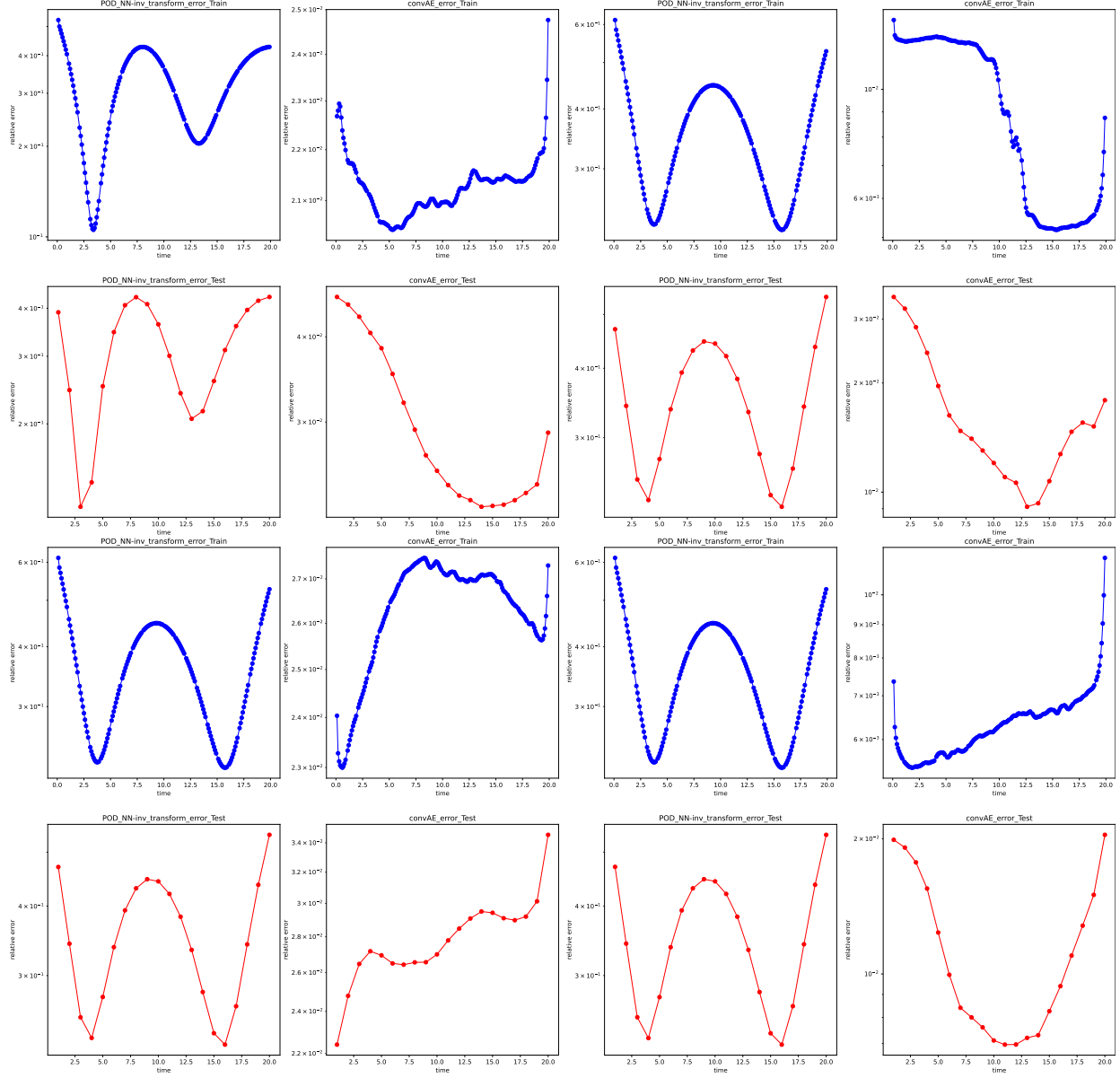


Figure 3: Error FOM vs POD-NN and FOM vs reconstruction with conv AE (latent 2 6 14 30)

## 2 2000 Epochs $\psi - \omega$

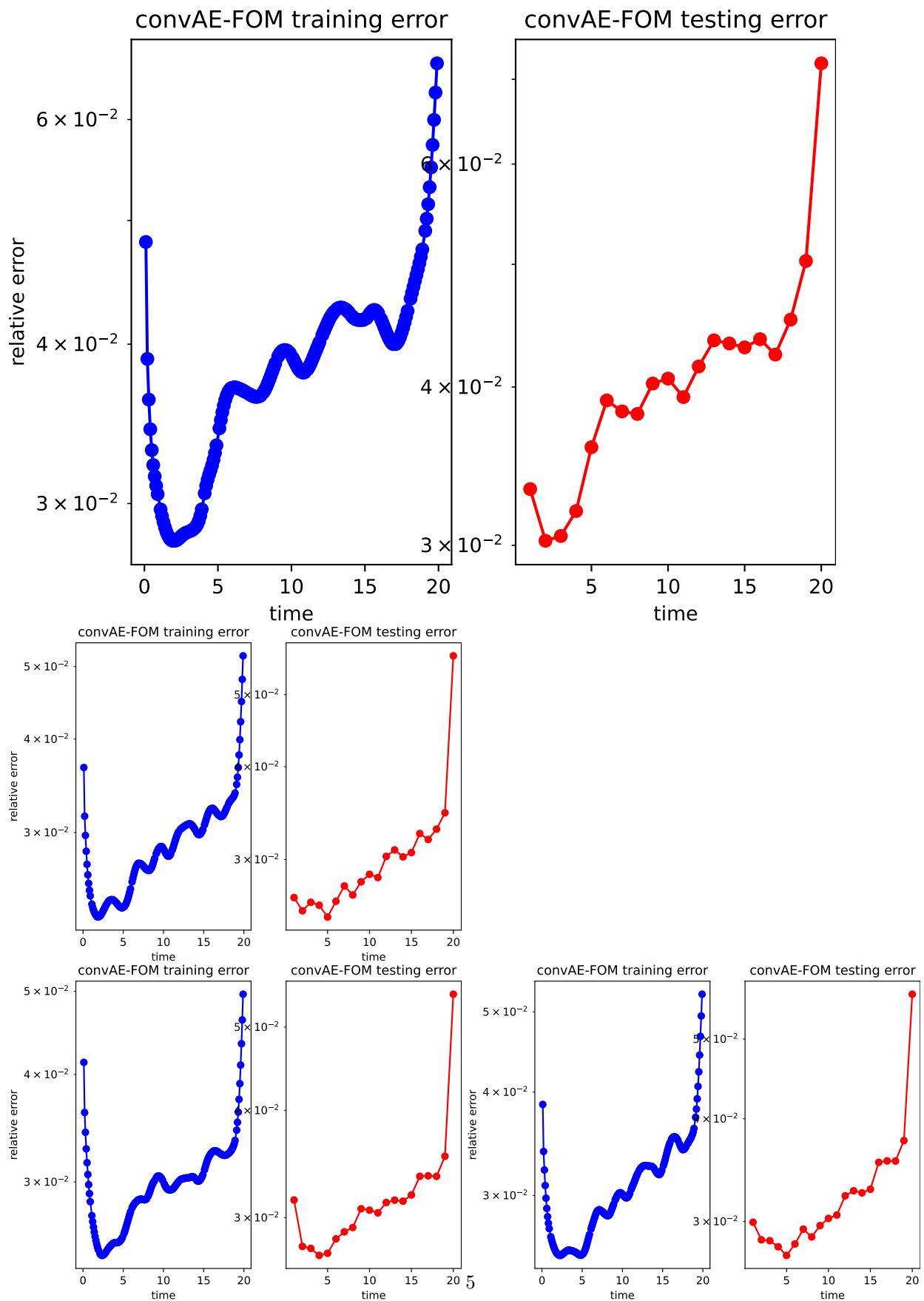


Figure 4: Error FOM vs reconstruction with conv AE (latent 2 6 14 30)

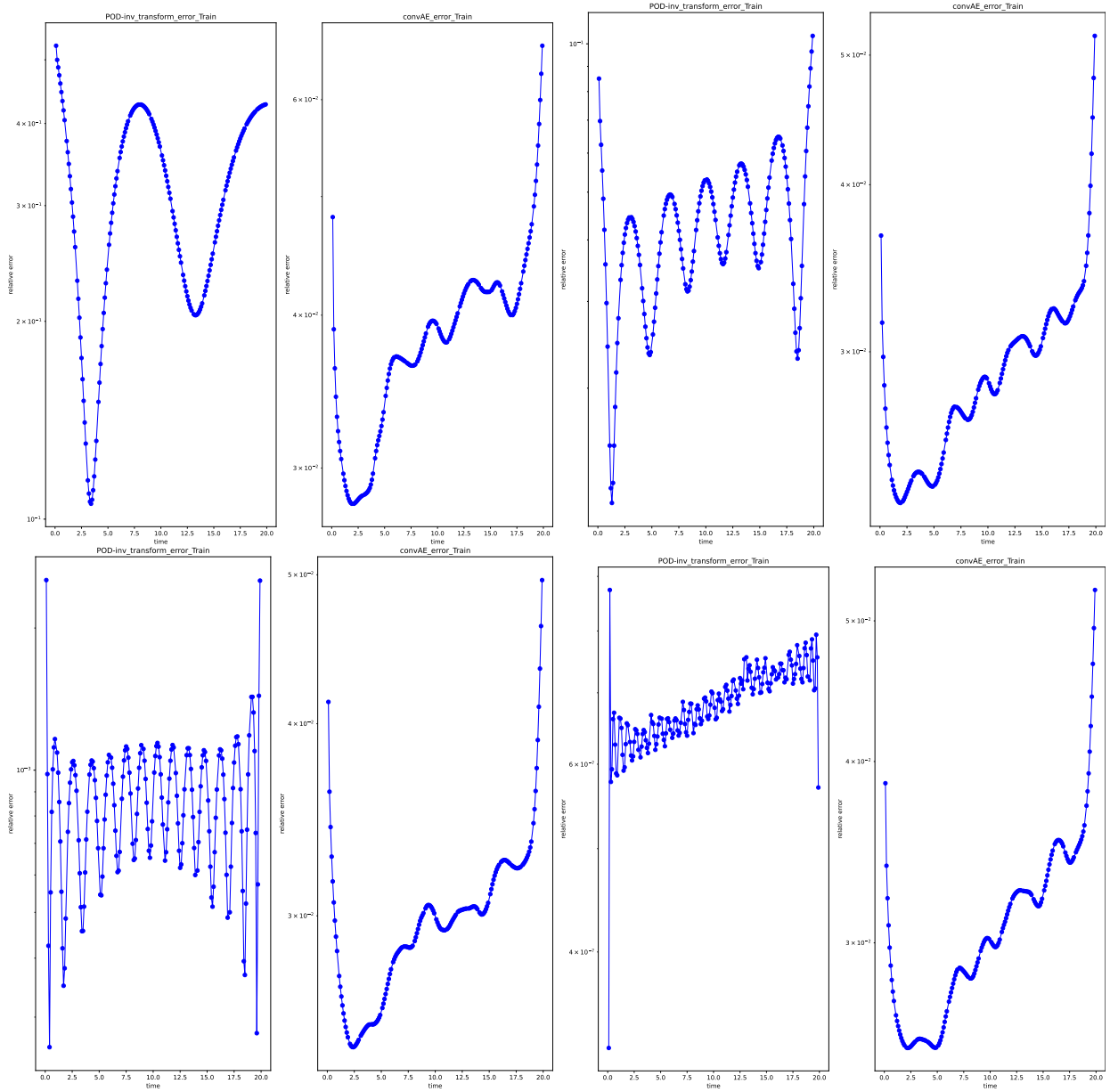


Figure 5: Error FOM vs POD reconstruction and FOM vs reconstruction with conv AE (latent 2 6 14 30)

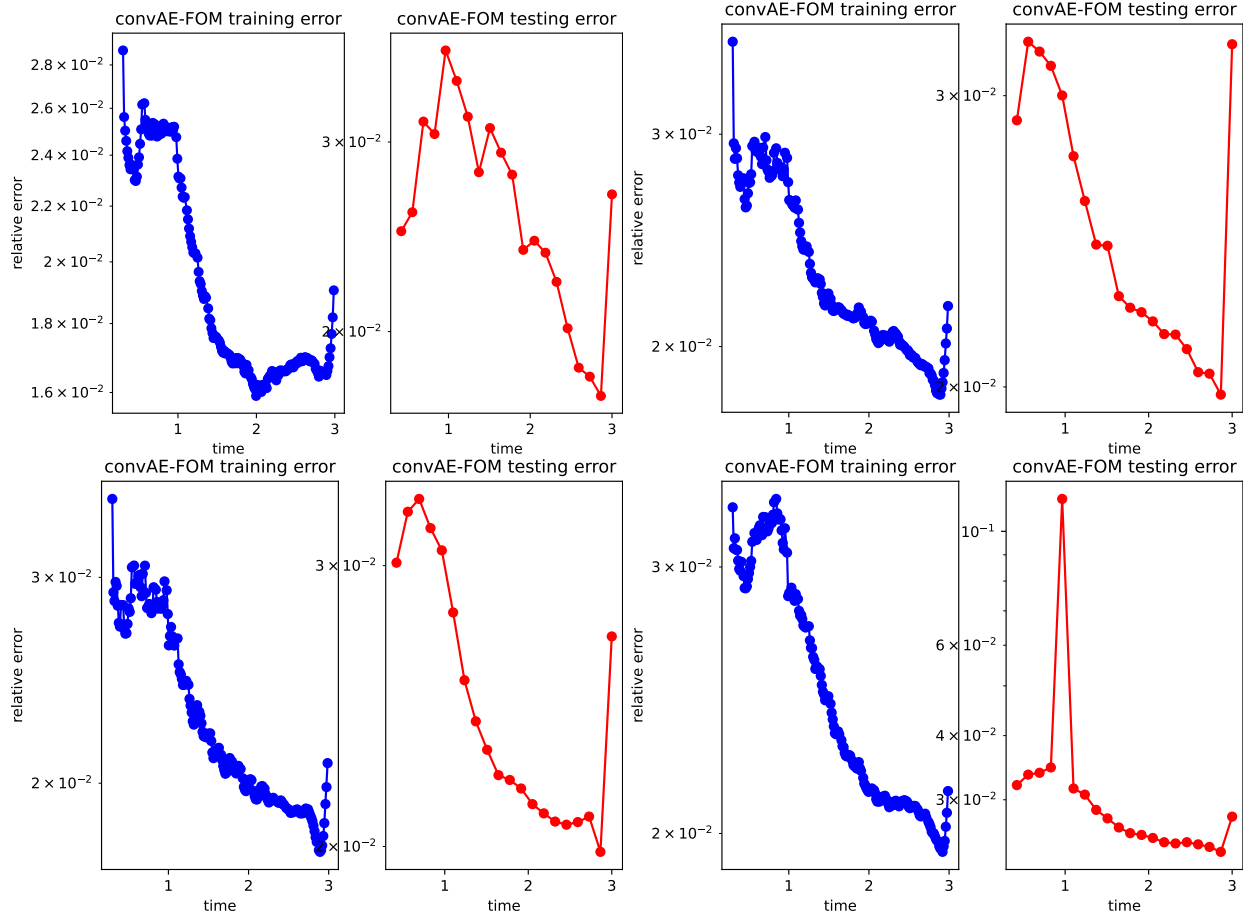


Figure 6: Error FOM vs reconstruction with conv AE (latent 2 6 14 30)

### 3 2000 Epochs Discontinuous test

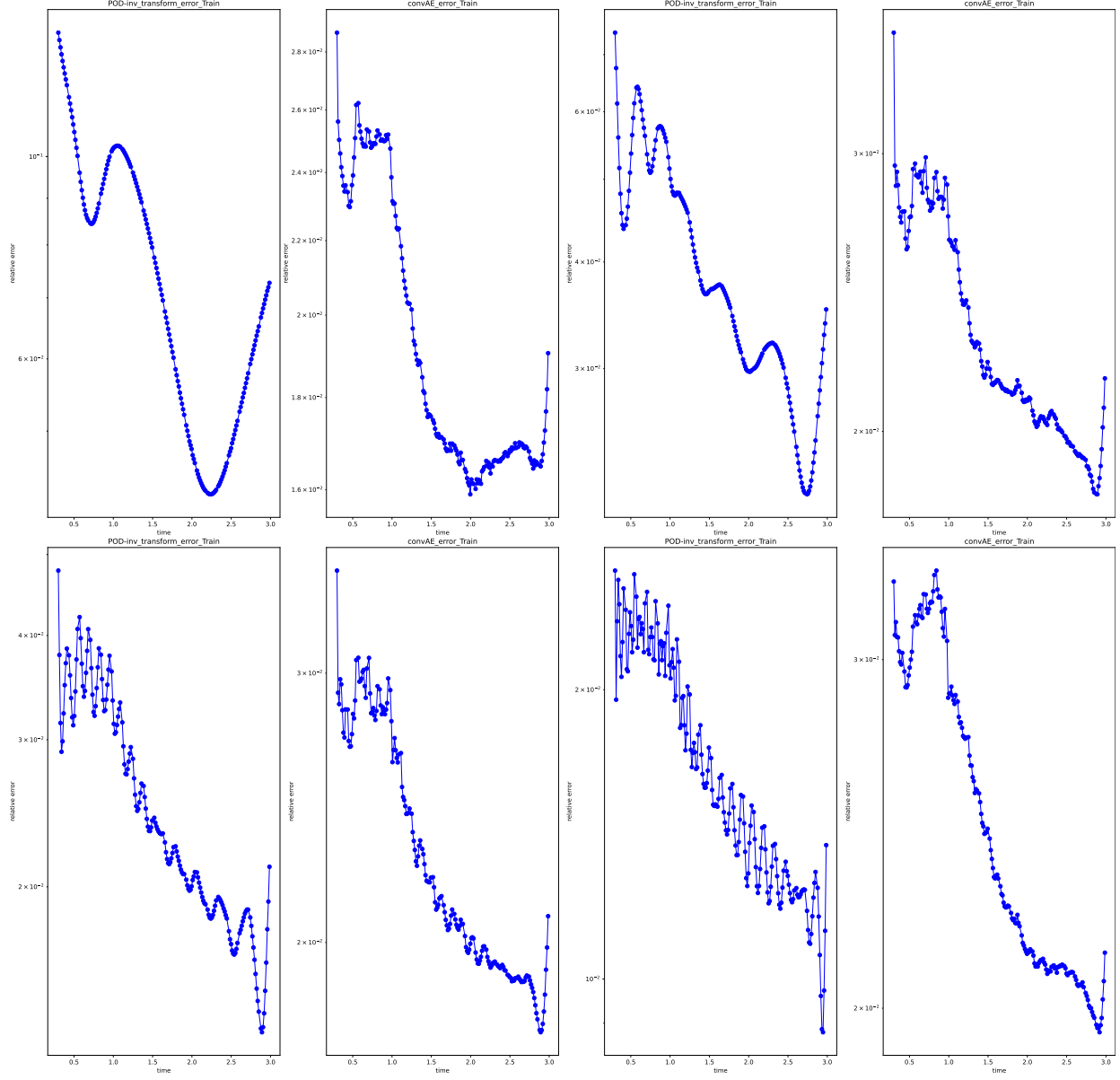


Figure 7: Error FOM vs POD reconstruction and FOM vs reconstruction with conv AE (latent 2 6 14 30)