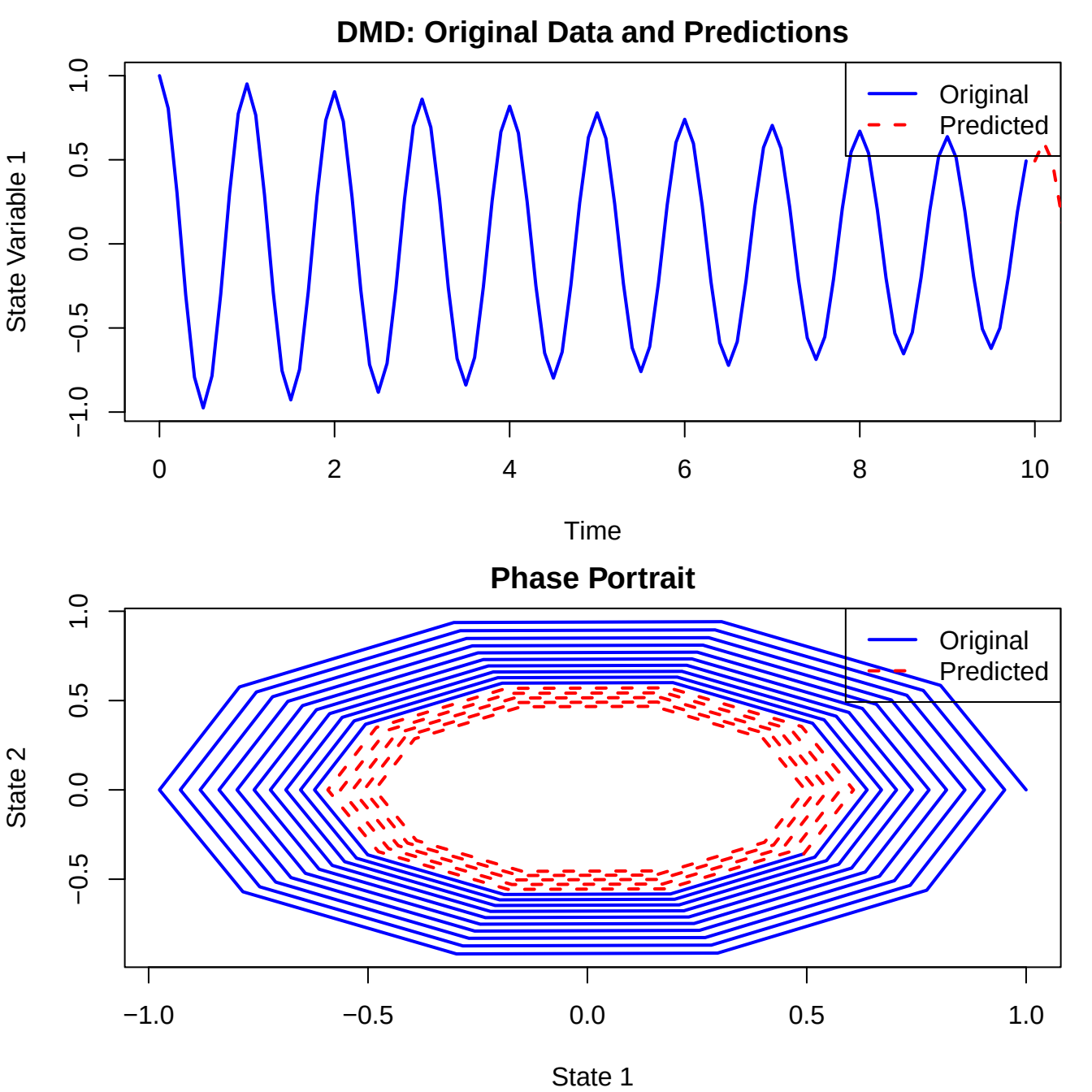
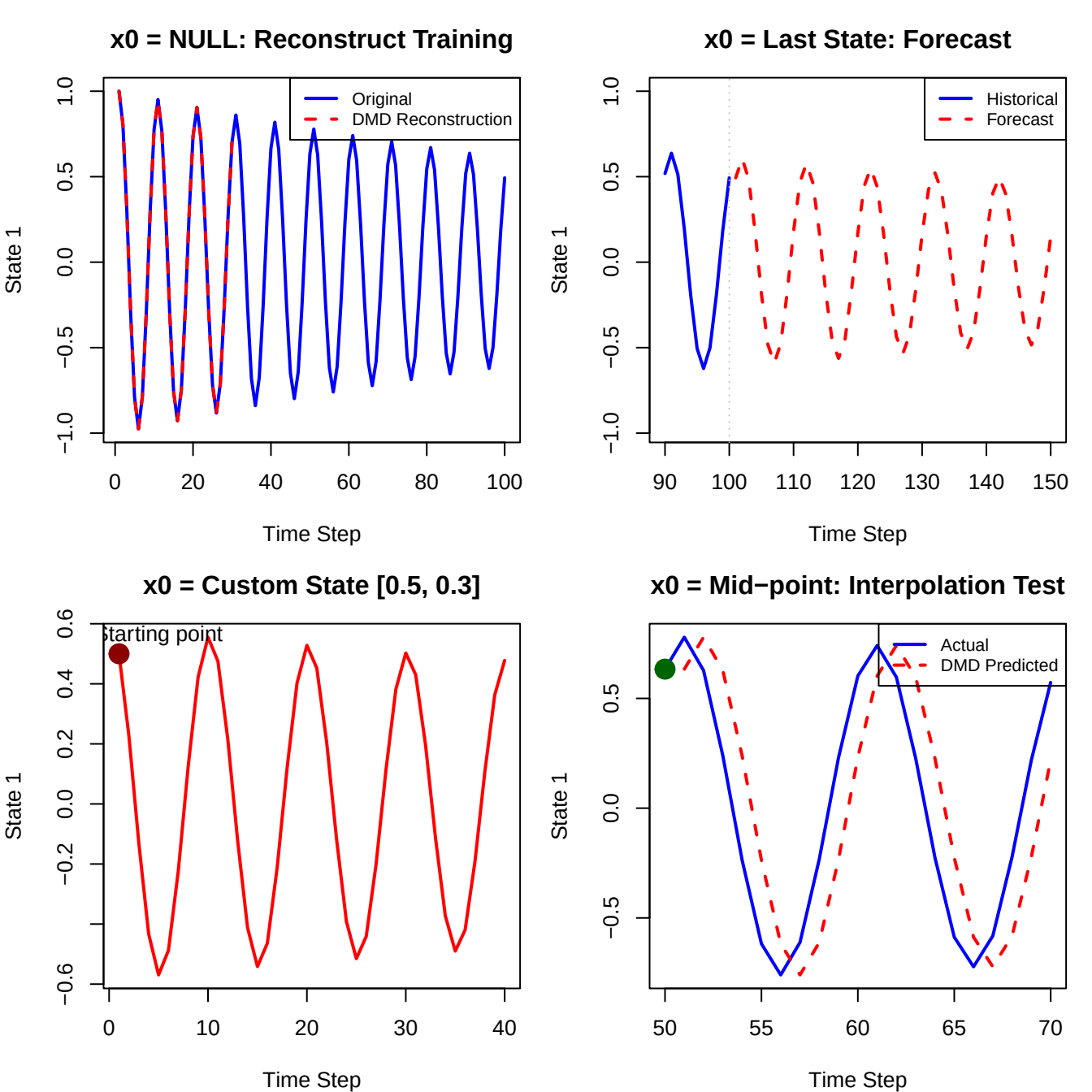

DMD: Original Data and Predictions
State Variable 1
Time
Original
Predicted
1.0
0.5
0.0
−0.5
−1.0
0
2
4
6
8
10
Phase Portrait
State 2
State 1
Original
Predicted
1.0
0.5
0.0
−0.5
−1.0
−0.5
0.0
0.5
1.0


x0 = NULL: Reconstruct Training
Original
DMD Reconstruction
State 1
Time Step
x0 = Last State: Forecast
Historical
Forecast
State 1
Time Step
x0 = Custom State [0.5, 0.3]
Starting point
State 1
Time Step
x0 = Mid−point: Interpolation Test
Actual
DMD Predicted
State 1
Time Step